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ABSTRACT

The report summarizes and lists vocational education research projects conducted by State research coordinating units (RCU) for the second six months of fiscal year 1974 under Section 131(b) of Part C of the Vocational Education Amendments of 1968. Arranged alphabetically by State, the entries list State directors of vocational education and State RCU directors; projects completed; new projects funded; research-related activities, and projects and activities planned. Most information consists of a brief statement of the project or its title, with an occasional short description; additional information may be found under the heading "new projects funded" in the Research Projects in Progress section of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM), or as final reports in Resources in Education (RIE) and the bi-monthly issues of AIM/ARM. (MDW)

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ED107836

SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

January 1, 1974 - June 30, 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Office of Education

Bureau of Occupational and Adult Education

Division of Research and Demonstration

November 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Caspar W. Weinberger, Secretary

Office of Education
T. H. Bell, U.S. Commissioner of Education

Bureau of Occupational and Adult Education
William F. Pierce, Deputy Commissioner

Division of Research and Demonstration
Howard F. Hjelm, Director

November 1974

FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the second six months of Fiscal Year 1974. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Harry Braaten, Chief, Demonstration Branch and Annette Miller of the Demonstration Branch of the Division of Research and Demonstration. This is the ninth in a series of reports on the activities of the State RCU's. The previous reports are listed below:

a. Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293)

b. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381)

c. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463)

d. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971 (ED-068-718)

e. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972 (ED-076-781)

f. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1972 to December 31, 1972 (ED-080-720)

g. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1973 to June 30, 1973

h. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1973 to December 31, 1973

Copies of the above reports with assigned ED numbers can be obtained from the ERIC Document Reproduction Service.

Howard F. Hjelm
Director, Division of
Research and Demonstration

November 1974

INTRODUCTION

For fiscal year 1974, the States received $9 million under Section 131(b) of Part C of the Vocational Education Amendments of 1968. These funds could be used for paying up to 75 percent of the costs of the State Research Coordinating Unit (RCU) and for grants and contracts covering 90 percent of the costs of research and/or developmental projects. The minimum received was $12,068 by Alaska and the maximum was $762,090 by California. Thirty States received more than $100,000 for research and development. Among these 30 States, 17 received more than $200,000 and 7 more than $300,000.

By the end of the fiscal year, nearly all of the States reported the expenditure of FY 1974 funds for grants and contracts. More than 300 new grants and contracts were approved, with approximately 50 percent of the projects relating to career education and development of curricula and instructional material. Titles reported for other studies indicate continued emphasis in the areas of evaluation, administration and planning, including investigations into improving management information systems for followup and data analysis.

In addition to the main function of administering the State's R&D program, reports indicate that extensive consultant services are being provided to teachers and researchers in both the secondary and postsecondary institutions. An increasing number of States are striving to improve dissemination functions and are bringing the products of R&D directly to the practitioner. Especially significant is the increasing utilization of microfiche and the development of search and retrieval capabilities within the State department headquarters.

The nature of the projects reported tends to indicate that State-administered R&D projects are making worthy contributions to the research literature and have provided significant assistance to many communities in launching career education programs.

The Semiannual Report which follows is a compilation of State Research Activity Reports covering the third and fourth quarters of FY 1974 which have been received from the States. Additional information on projects listed under the category of "new projects funded" may be found in the "Research Projects in Progress" section of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM), published by the Center for Vocational and Technical Education, Ohio State University. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the bi-monthly issues of AIM/ARM. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

Summaries of

State Research Coordinating Unit

Semiannual Reports

for the period

January 1, 1974 - June 30, 1974

ALABAMA

T.L. Faulkner, State Director of Vocational Education
Douglas Patterson, RCU Director

PROJECTS COMPLETED:

1. Implementation of Career Education K-12 in the Phenix City Public Schools, Phenix City Schools

2. Proposal for Career Education Project in Vocational-Technical Education, Mobile County

3. Montgomery County's Approach to Career Education-Grades One Through Twelve, Montgomery County

NEW PROJECTS FUNDED:

1. Joint Leadership Training Conference for Selected Students and Advisors of Alabama's Vocational Youth Organizations, John M. Patterson, State Technical College

2. Distributive Education Dissemination Project, John M. Patterson, State Technical College

RESEARCH RELATED ACTIVITIES:

1. Conducted pilot study for automated collection of secondary enrollments in selected service areas

2. Computerized the fiscal accounting and personnel records

3. Investigation of computer system peripherals for cost effectiveness and selected optical scanning device and appropriate magnetic tape recorder

4. Prepared occupational demand for the state by service area and by OE code

5. Revised Area Vocational Center course offerings, course codes and occupational demand

6. Prepared reports of dropout and unemployment rates for two employment regions

7. Prepared the 1974-75 Alabama State Plan for Vocational Education

8. Curriculum developed to include energy conservation measures applicable in each service area

PROJECTS AND ACTIVITIES PLANNED:

1. Collect enrollment data on all secondary students in vocational education and add to existing fiscal data base

2. Establish systematic manpower analysis reporting procedures

3. Preparation for collection of data for the state and federal reports

4. Assess state vocational education needs

5. Evaluation of local vocational programs

ARIZONA

Eugene L. Dorr, State Director of Vocational Education
Beverly Wheeler, RCU Director

PROJECTS COMPLETED:

1. Development of 8-10 Profiles of Decision Making in Mexican-American Families, ASU

2. P.E.P. Pre-Vocational Education, Casa Grande Elementary Schools

3. Pinal County Employability Program, Central Arizona College

4. Educational Needs Assessment of Adults in the Globe/Miami Area, Eastern Arizona College

5. Yuma Union High School District Career Preparation Laboratory Project, Yuma Union High School District, Kofa High School

6. Career Awareness Packages for Incarcerated Youth, Maricopa Skills Center

7. Profile of School Dropouts in Mesa Public Schools, Mesa Public Schools

8. A Motivational Math Lab, Nogales High School

9. A Computerized Task Inventory System for Providing Curriculum Content, Northern Arizona University

10. Development and Evaluation of a Guide for Individualized Instruction in Distributive Education, Phoenix Union High School District, South Mountain High School

11. Development and Use of Challenge Exams for Clinical Laboratory in Nursing II (Part I), Pima Community College

12. A Follow-up Survey of Graduates of Sunnyside High School to Determine Vocational Placement, Sunnyside High School District #12

Arizona

13. A Survey to Ascertain Vocational Home Economics Needs in Tucson District #1, U of A

NEW PROJECTS FUNDED:

1. Development of 8-10 Profiles of Decision Making in Mexican-American Families, ASU

2. P.E.P. Pre-Vocational Education Program, Casa Grande Elementary Schools

3. Educational Needs Assessment of Adults in the Globe/Miami Area, Eastern Arizona College

4. Career Awareness Package for Incarcerated Youth, Maricopa Skills Center

5. Profile of School Dropouts in Mesa Public Schools, Mesa Public Schools

6. A Computerized Task Inventory System for Providing Curriculum Content, NAU

7. Development and Evaluation of a Guide for Individualizing Instruction in Distributive Education, Phoenix Union High School District, South Mountain High School

8. Development and Use of Challenge Exams for Clinical Laboratory in Nursing II (Part I), Pima Community College

9. A Follow-up Survey of Graduates of Sunnyside High School to Determine Vocational Placement, Sunnyside High School District #12

10. A Survey to Ascertain Vocational Home Economics Needs in Tucson District #1, University of Arizona

RESEARCH RELATED ACTIVITIES:

Wrote and disseminated four career education booklets:

Questions and Answers About Career Education

Arizona

Why Career Education in Arizona?

Arizona Career Education--What Is It?

Career Education and You--The Teacher

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct a state-wide survey to determine availability of microfiche readers

2. Develop a slide/tape presentation on the services offered by the RCU to be made available to the twenty career education projects in the state

3. Develop an activity-based publication(s) by grade level, subject area, and career education element utilizing material developed in Arizona

4. Supervise the refining and dissemination to state implementation sites Arizona-produced field tested units

ARKANSAS

Luther Hardin, State Director of Vocational Education
Jack D. Nichols, RCU Director

PROJECTS COMPLETED:

1. Teaching Techniques and Resource Material Development for Nutrition Education Among Disadvantaged Youth & Adults, University of Arkansas, Fayetteville

2. The Development of Sequential Self-Paced Vocational Activities Units Utilizing Multi-Media for Use in Vocational Aptitude Evaluation Carrels..., Little Rock School District

3. Thirteen (13) Local Action Oriented Research and Development Mini-Grants, Statewide

4. The Development and Testing of Single Occupation Film Loops and 135 MM Color Slides..., University of Arkansas, Fayetteville

5. ...A Study to Determine the Correlation Among Student Interests, Vocational Courses Pursued and Job Entry Occupational Choices, Newport Public School

NEW PROJECTS FUNDED:

1. A Comparative Study of the Occupational Achievement of Vocational and Non-Vocational High School Graduates in the State of Arkansas, Educational Planning and Evaluation Services--Magnolia, Arkansas

2. A Unified School-Community Approach to Remodel Guidance Services and Expand Next Step Placement and Followup, State Department of Education

RESEARCH RELATED ACTIVITIES:

1. "Arkansas EXPO '74 Vocational Curriculum Fair," a personnel development activity funded under the Education Professions Development Act, Part F, Section 554 for the purpose of familiarizing teachers with new curricular materials

Arkansas

2. Integrating Career Education into the consumer and Homemaking Curriculum

3. Vocational Education Leadership Program for 1973-74

PROJECTS AND ACTIVITIES PLANNED:

1. A Comparative Study of Alternative Methods and Techniques in Stenographic Training

2. Continue State Career Development project at Russellville involving seven school districts and other ongoing R&D projects

3. Inservice training for personnel involved in R&D projects

CALIFORNIA

Samuel L. Barrett, State Director of Vocational Education
James Crandall, RCU Director

PROJECTS COMPLETED:

1. Development of an Audiovisual Self-Identification Model for Use in Vocational Counseling, Arthur N. Cherdack, Los Angeles Community College District

2. Priority Determination for Vocational Education Through a Formal Needs Assessment Process, Otto A. Heinkel, San Diego Community College District

3. A Comparison Between Automated Method and Two Conventional Methods of Data Collection for Vocational Student Followup Studies, Mel Barlow and Joseph A. Miller, U.C.L.A.

4. Selected Business Educational Curriculum Standards and Practices in United States Public Secondary 1971-72, Mel Barlow and Christ Chialtas, U.C.L.A.

5. Survey of Occupational Cognizance, Cliff Purcell and Charles C. Brady, Santa Barbara City High School

6. Development of a Model for Determining Needs for Vocational Education Personnel--A Profile of Vocational Educators, Mel Barlow and Vern Halcromb, U.C.L.A.

7. Program Planning - Case Studies of the Impact of Organization and Operation of School System after Implementation of a Program that has Components of Career Education, Mel Barlow and Ralph Bregman, U.C.L.A.

8. Impact of Career Testing and Human Potential Seminar Training Upon Persistence and Performance of High Risk Students Declaring Vocational Majors, Thomas F. MacMillan, Mendocino Community College District

9. Career Education Opinions of Elementary Teachers, Mel Barlow and Jeff Reyes, U.C.L.A.

California

NEW PROJECTS FUNDED:

1. A Study of Career Centers in the State of California, Thomas J. Jacobsen, Grossmont Union High School

2. A Study of the Vocational Entitlement and Grants Management System, Melvin Barlow, University of California, Los Angeles

3. Involvement of Vocational Agriculture Students in Vocational Agriculture Students in Vocational Education Student Organization, O. S. Gilbertson, Larry Rathbun, Joseph Sabol, California Polytechnic State University Foundation

4. Career Education Opinions of California Educators, Melvin L. Barlow, U.C.L.A.

5. California Industrial Education Program Guide, Norman R. Stanger,California State University, Long Beach

6. Curriculum Competencies Needed and Possessed by Vocational Education Administrators in California

7. Experiment to Determine the Effects of Repetition and Alternating Levels of Practice on Learning to Typewrite, Melvin L. Barlow, Barbara Simi, U.C.L.A.

8. An Empirical Comparison Between the Gregg and Laurie Shorthand Systems, Lawrence W. Erickson, Charles T. Laurie, The Regents of the University of California

9. A Survey of Teacher-Pupil Relationships of California Vocational Agriculture Teachers Trained by Full Pay Intern Program, Melvin L. Barlow, Robert J. Winterbourne, The Regents of the University of California

10. Field Testing of HumRRO Office Education Materials, Phil Garver, Jr., Robert Fuller, Clovis Unified School District

11. An Evaluation of Self-Administration and Self-Interpretation of the California Occupational Preference Survey, Patricia Lux, James Saum, San Juan Unified School District

California

12. Assessment of Attitudes and Expectations of High School Teachers of Vocational Agriculture and Industry, O. S. Gilbertson, California Polytechnic State University

13. The Measurement of Attitudes of Chicano Freshmen Who are Preparing for a Criminal Justice Career, George T. Payton, San Jose Community College District

14. Research Training, J. R. Toothaker, Pasadena Area Community College District

15. Compton-Minority Community Attitude Survey, Rosetta Barnett, Compton Community College District

16. Field Test of Project #42-10421-C048-7 : The Research and Evaluation of Followup Studies of High School Graduates Using Sampling Methods, William Harris, Santa Barbara County Schools

17. Chartering, James Farmer, Coast Community College District

18. Profiles of Community College Students in Career Programs for Use in Occupational Counseling, Richard E. Whiteman, Cerritos Community College District

19. Manpower Projection Model System: Phase II, W. H. Lawson, Odessa Dubinsky, Ventura County Schools

20. Development, Field Test, and Evaluation of a Method for Statewide Longitudinal Followups of High School Graduates Using Sampling Techniques, Fred E. Orr, William Harris, Santa Barbara County Office of Education

21. Student Perceptions of the Link Between School and Work, Sanford M. Dornbusch, Bruno Zachary, The Board of Trustees of the Leland Stanford Junior University

22. Industry Validated Vocational Performance Objectives, Robert L. Branch, Ralph Thompson, Sacramento County Office of Education

23. Use of Need Assessment in Improving the Utility of Community College Advisory Committees, Otto Roemich, Sidney McGaw, Otto A. Heinkel, San Jose Community College District

California

24. Research on Application of a Self-Actualization Process in Attempt to Improve Effort and Performance in Selected Vocational Programs, Mildred Hight, Hilding Nelson, Mt. San Jacinto Community College District

25. Improving Occupational Student Followup in California Community Colleges, Leslie Koltai, Benjamin Gold, Los Angeles Community College District

26. Project COPES - Part C, Nathan H. Boortz, George Ebey, Foothill Community College District

27. Occupation Needs Assessment of the Elderly, James R. Lagerstrom, Kevin Galvin Los Angeles Community College District

28. Comparison of Listing - Viewing Comprehension Levels of a Junior College Population Enrolled in Vocational Education Compared to the Comprehension Levels of the Learning Materials Utilized in Vocational Education, John Ross, C. E. Woodward, Jr., Harvey B. Rhodes, Yosemite Community College District

29. The Effects of Providing Pre-Educational Treatment to Handicapped Young Adults to Increase their Readiness for College and Vocational Education Programs: A Controlled Research Study, Bryan Kemp, Hospital Attending Staff Association

30. Reasons for Dropout and Inhibitors to Training Related Job Placement of Vocational Education Trainees, William A. Kempf, Ralph Bregman, State Department of Corrections

RESEARCH RELATED ACTIVITIES:

Research related activities during this period included conducting workshops, coordinating research projects between agencies, on-site visits to approved research projects, providing information and consultation to individuals and agencies preparing requests for funds to conduct research, and providing research information and consultation to members of the State staff.

California

1. Workshops: Six workshops were conducted during the period ending June 30, 1974. The workshops involved professional staff members from 38 counties, 79 school districts and 5 regional occupational program and centers. They were conducted as a first phase of Statewide implementation of a followup procedure using sampling methods. The procedure (TRACE) has been produced through three years of research, development and field testing using P.L. 90-576, Part C, Section 131(b) and local funds.

   Three workshops were conducted for State Vocational Education staff to orient them in the use of TRACE at the local level.

2. Project Visitation: Twenty-three onsite visits to research projects were conducted. Both regular and small grants were included. The onsite visits were intended to accomplish the following:

   a. Provide consultation in research methodology to help the agency solve problems that may have developed in the conduct of the project.

   b. Where appropriate, provide resource material that would (1) increase the generalizeability of the results of the project, and (2) strengthen the quality of data produced by the project.

   c. Perform an audit function to assure that (1) the study was being conducted in accordance with the approved project application, (2) personnel employed out of the project funds were performing project functions, (3) changes in objectives, procedures, or budget had prior written approval of the Coordinator of Vocational Education Research, and (4) the project directors' questions concerning reporting procedures were answered prior to submitting progress reports.

   d. Provide information to State staff that might be useful to project or program activities in other agencies.

3. Coordination and Consultation: Consultant service has been provided to State staff members, to individuals studying for higher degrees in vocational education,

and to individuals and agencies in universities, county school departments, local school districts and the State Department of Corrections. Activities have included consultation to insure coordination or research projects in vocational education with district programs of career education and guidance. Coordination of separate research projects within some large school districts has also been accomplished.

COLORADO

M.G. Linson, State Director of Vocational Education
Robert F. Barnes, RCU Director

PROJECTS COMPLETED:

1. A Comparison of Selection Criteria and Student Characteristics in Colorado LPN and ADN Programs, University of Northern Colorado

2. Developing Behavioral Objectives for Pre-Vocational Industrial Education Programs, Pueblo District #60

3. Needs for Vocational Training Programs to Meet Job Demand in Music Industry, Trinidad State Junior College

4. A Survey of Job Demand by Mesa County Businesses with Four or More Employees, Mesa College

NEW PROJECTS FUNDED:

1. A Pilot Program in Consumer Education Through Vocational Business and Office Education and Home Economics Programs, Colorado State University

2. In-Depth Evaluation of Consumer Homemaking Programs in Colorado, Colorado State University

3. Designing a Model for Federal Legislation, AVA

4. Developing Teacher Competencies in Trade and Industrial Education, Colorado State University

5. An Evaluative Study of Vocational Youth Organizations as an Integral Part of Vocational Educational Curricula, University of Northern Colorado

6. A Comparison Between Block Period and Traditional Scheduling of Business and Office Education Programs, University of Northern Colorado

7. A Comprehensive Statewide Adult Needs Assessment in Colorado, Colorado Department of Education

Colorado

RESEARCH RELATED ACTIVITIES:

1. Directed an EPDA, Part F, Section 553, funded Workshop on Developing Strategies for Involving Business, Industry and Labor (B/I/L) in Cooperative Teacher Training for Vocational Education. One state from each of the ten U.S.O.E. regions was invited to send a team of six participants - three from B/I/L, two from teacher education and the State Professional Development Coordinator. Workshop strategies and materials were developed by the Eckman Center who also furnished staff for the training. Each state team developed a total plan for implementation by the end of the workshop. Followup activities are being planned for next spring.

2. The RCU staff spent a great deal of time with the Research and analysis staff of the Colorado Department of Labor and Employment working out problems in total implementation of the BLS Occupational Employment Statistics (OES) Program. At present, data will soon be available for Manufacturing and Non-Manufacturing employment estimates. These data will be available by county, planning and management regions (13) and statewide. The MIS Supervisor will be developing an interface system between these data and the Division's enrollment and completion data.

3. The State Board and the Colorado Department of Education (CDE) entered into a contractual agreement to conduct a Statewide Adult Need Assessment. The RCU staff (SBCCOE) and the Adult Education staff (CDE) are responsible for carrying out this project. A project manager and staff are hired and data collection instruments are being developed. A sample of about 8,000 adults will be interviewed in the State. Data will also be collected from all agencies offering services to adults as well as from a sample of employers. Data collection will be complete by October 15 and the first preliminary report is due November 30. The final report is scheduled for June 1, 1975.

Colorado

PROJECTS AND ACTIVITIES PLANNED:

Research priorities for FY 75 have been identified and approved. Funding of all research activities with 131(b) monies will be limited to these priority areas. The priorities are:

1. Support projects that show the influence of occupational education programs on students being served in Colorado

2. Support projects that provide outputs that will identify and bring about needed changes in Occupational Counseling and Guidance in Colorado

3. Support projects that provide information relevant to decision-making and management as State and local levels of Occupational Education in Colorado

4. Support projects that provide outputs to improve the quality of Occupational Education programs in Colorado

5. Support projects that provide knowledge for improving the quality of teaching in Occupational Education in Colorado

A list of these priorities with guidelines for submitting "idea papers" (prospectus) will be sent to each Vocational Educator in the State.

A series of regional workshops for local vocational staff members are planned. The objective of these workshops is to improve the quality of proposals being submitted. If this objective is attained, the amount of staff time required for assisting in proposal development should be decreased.

The RCU staff will be heavily involved in training field staff for the Adult Needs Assessment project. An orientation workshop will be held for the 13 Field Coordinators. Three workshops will also be conducted to train the interviewers employed by the Field Coordinators.

CONNECTICUT

Herbert Righthand, Acting State Director of Vocational Education
Richard C. Wilson, RCU Director

PROJECTS COMPLETED:

1. Client Need Analysis to Determine the Need for Vocational Services for Hardicapped School-Age Persons in the Greater New Haven Area, Area Cooperative Educational Services, North Haven, Connecticut

2. A Survey of Community Resources and Employment Opportunities Having Implications for Programs of Vocational Agriculture in Connecticut: Phase I, Univ. of Connecticut, Storrs

3. Research Study on Planning Expansion of Connecticut Regional Vocational-Technical Schools, University Research Institute of Conn., Inc., Wallingford

4. World of Work, Vocational Self-Concept and Career Planning, Hartford Board of Education

5. Career Education Program: Troup Middle School, New Haven Board of Education

6. Project 70,001, Hartford Board of Education

7. Alternative School-"Open Door", Waterbury Bd. of Ed.

8. Career Guidance Program, Urban League of Greater Hartford

9. Career Education in the Norwalk Public Schools, Norwalk Board of Education

10. Development and Operation of a Career Education Center, University of Bridgeport

NEW PROJECTS FUNDED:

1. Client Need Analysis to Determine the Need for Vocational Services for Handicapped School-Age Persons in the Greater New Haven Area, Area Cooperative Educational Services, North Haven, Connecticut

2. Research Study on Planning Expansion of Connecticut Regional Vocational-Technical Schools, University Research Institute of Connecticut, Inc., Wallingford

Connecticut

RESEARCH RELATED ACTIVITIES:

1. Administered Part C and Part D State projects

2. Disseminated research reports, releases, and other materials

3. Completed annual evaluation reports for State Legislature on research and exemplary programs

4. Prepared publication on 1973 graduate followup data

5. Served as liaison between Division of Vocational Education and State Labor Department

6. Attended USOE Regional Meeting on reporting procedures in Boston on May 30

7. Attended RCU Personnel Conference in Scottsdale, Arizona, March 18-21

8. Coordinated development of State Plan for Vocational Education for FY 1975

9. Attended State Board of Education public hearing on State Plan

10. Met several occasions with State Advisory Council representatives regarding development of State Plan

11. Participated in meeting with Education Committee of State Legislature regarding funding patterns and formulae for local education agencies

12. Collected end-of-year enrollment data for all vocational programs

13. Served as liaison between Division of Vocational Education and Program Review Committee of State Legislature on special study of secondary vocational education

14. Served as Division of Vocational Education representative on Department Executive Committee on Needs Assessment

15. Served as Division of Vocational Education representative on Departmental CEIS Committee

16. Attended meeting of CEIS Subcommittee on Occupational and Adult Education in Columbus, Ohio on January 8

17. Met on separate occasions with Vocational Education Sub-Committee of State Board of Education regarding State Plan development

18. Collected, processed, and compiled graduate followup data for 1973 vocational graduates and completed USOE Followup Report

19. Arranged for and attended presentation on MISOE (Management Information System for Occupational Education) given by Massachusetts representative on February 28

20. Worked with data processing personnel in updating and revising Connecticut Vocational Education Information System (CVEIS)

21. Served on Graduate Followup Guidelines Committee

22. Compiled USOE statistical report for FY 1973

23. Attended Career Education Conference at University of Connecticut on March 29

24. Participated in evaluation of Somers High School by New England Association of Colleges and Schools

PROJECTS AND ACTIVITIES PLANNED:

1. Long-Range Followup Study of Connecticut Secondary School Distributive Education Graduates

2. A Survey of Community Resources and Employment Opportunities Having Implications for Programs of Vocational Agriculture in Connecticut: Phase II

3. Development of Career Guide to Vocational Education Program in Connecticut.

DELAWARE

Conrad C. Shuman, State Director of Vocational Education
Burton Braverman, RCU Director

PROJECTS COMPLETED:

1. Development of a Model Delivery System for Comprehensive Exploratory Programs for Grades Five Through Nine, Seaford School District (The first year of this project has been completed, and a final report prepared)

2. Career Education Demonstration Project, Caesar Rodney School District (This project has been completed and copies of the final report have been forwarded to the U.S. Office of Education)

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

DISTRICT OF COLUMBIA

Paul E. Cawein, State Director of Vocational Education
Jeannie H. Carter, RCU Director

PROJECTS COMPLETED:

1. Vocational Education and Urban Youth a Followup Study of 1968, 1971 and 1972 Graduates of the Public Schools of the District of Columbia, Center for Occupational Education, North Carolina State University, Robert L. Morgan, Project Director

NEW PROJECTS FUNDED:

1. Project INFO - To determine the impact of a readily accessible information and resource center for program and curriculum development. Houses a microfiche library collection, instructional and curriculum materials. Bruce Administration Center, Public Schools of the District of Columbia, Mrs. Ouida Madel, Project Director.

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

FLORIDA

Joe D. Mills, State Director of Vocational Education
K. M. Eaddy, RCU Director

PROJECTS COMPLETED:

1. Field Test the Development of Elementary Curriculum for Career Education (D4-001), Ernest Upthegrove, Dade County Public Schools, Miami

2. Develop and Evaluate a Placement and Followup System (BR-1383), Clifford A. Bellum, Sarasota County Public Schools, Sarasota

3. Study of Pupil Personnel Services for Elementary Counselors in Career Education (C4-003), Harman Burck, Florida State University, Tallahassee

4. Design, Develop and Disseminate a Professional Career Education Self-Instructional System - PROCESS (BR-4-0023), James Edmundson, Florida State University, Tallahassee

5. Field Test and Complete Project LOOM (C4-004) - Learner Oriented Occupational Materials, Ernest Berger, Florida State University, Tallahassee

6. Development of Project FAIS (C3-075) - Fusion of Applied and Intellectual Skills, M. F. Smith, P. K. Yonge Laboratory, University of Florida, Gainesville

7. Dissemination-Diffusion Process in Selected Florida Schools (B3-0017), A. J. Lewis and J. W. Hensel, University of Florida, Gainesville

NEW PROJECTS FUNDED:

1. Continuation of FERIC Satellite Center (C3-0072) - Florida Educational Resources Information Center, George Sloan, Pensacola Jr. College, Pensacola

2. Dissemination of Employability Skills Catalog (C3-079), James C. Edmundson, Career Education Curriculum Laboratory, Tallahassee

Florida

3. Research Assistant Program (C3-076), Robert Lathrop, Florida State University, Tallahassee

4. Project Agriculture Manpower Survey & Analysis of Data & Develop Curriculum (Research Study)(C3-073) W. T. Loften, University of Florida, Gainesville

5. Graduate Assistants Program (C3-074), R. O. Gallington, Florida State University, Tallahassee

6. Identifying Performance Objectives Needed by Workers in Tourism Related Industries (C4-008), L. M. Buckner, Florida Atlantic University, Boca Raton

7. Controlled Vocabulary Approach to Teaching Shorthand (C4-011), Everett L. Groover, Duval County Public Schools, Jacksonville

8. Exploratory Study of Competency Based Teacher Education Programs in Occupational Home Economics (C4-101), Bonnie B. Greenwood, Florida State University, Tallahassee

9. Evaluation of Career Education Programs in Orange, Broward, Brevard, Leon, Escambia, Duval, Dade, and Hillsborough Counties (C4-002), L. H. Perkins, University of West Florida, Pensacola

10. Preparation of Teachers for Utilization of the Valuing Approach to Career Education (C4-012), J. B. Hodges, P. K. Yonge Laboratory, Gainesville

11. Distributive Education Dissemination Project (C4-007), L. M. Buckner, Florida Atlantic University Boca Raton

12. Placement and Progress of Florida's Technical Graduates (Phase II)(C4-006), J. W. Hensel, University of Florida, Gainesville

13. Phase III - Student Personnel Services at Area Vocational Technical Centers (C4-005), J. L. Wattenbarger, University of Florida, Gainesville

Florida

14. A Project to Develop and Implement Curricula for Florida Vocational Exemplary Programs (C4-001), L. H. Perkins & John Crittenden, University of West Florida, Pensacola

15. Completion of Report on 3-Year Curriculum Development Project FAIS (C3-080), J. B. Hodges, University of Florida, Gainesville

16. A Summary Report on Communication and Teaching Effectiveness in Vocational Education (C4-009), Churchill Roberts, University of West Florida, Pensacola

17. Comprehensive Career Education Development Program (CC3-001), Evelyn K. Csikos and Sterling Bryant, Leon County Public Schools, Tallahassee

18. A Comparative Study in Business Education Programs in Areas I and III (D4-004), Dolores M. Robinson, Florida A&M University, Tallahassee

19. Articulation Program in Associate Degree Nursing (D4-006), Joseph E. Rhile, Lake Sumter Community College, Leesburg

20. A Comparative Study of Work Experience Programs in Broward County (D4-003), Lucius Crawford, Broward County Public Schools, Fort Lauderdale

21. Development of Criterioned Referenced Objectives Automotive Mechanics (D4-005), Roger L. Richardson, Florida A&M University, Tallahassee

22. Automotive Body Repair (D4-002), Roger L. Richardson, Florida A&M University, Tallahassee

23. Development of Criterion Referenced Objectives in Turfgrass Management (D3-0004), J. Glenn Morrill, University of Florida, Gainesville

24. Continuation of Work of Curriculum Development in Career Education Programs (D4-007), John Crittenden, University of West Florida, Pensacola

Florida

25. Planning for Comprehensive Program of Vocational Education for Career Development K-University (D3-005), Rex C. Toothman, University of South Florida, Tampa

26. CAVIEW: College Adaptation Vital Information for Education and Work (D3-006), Jack Keller, University of West Florida, Pensacola

27. A Comprehensive Vocational Education Program for Career Development in Grades K-12 (DD4-001), Robert S. Megow, Orange County Public Schools, Orlando

RESEARCH RELATED ACTIVITIES:

1. Consulted and provided technical assistance to State-administered vocational and career education projects.

2. Consulted and provided technical assistance to projects established through the U. S. Commissioner's share of discretionary funds.

3. Worked with Southern Association of Colleges and Schools V-TECS Consortium.

4. Conducted a series of meetings throughout the State for placement and followup.

5. Worked with National Curriculum Management Network Centers and National Curriculum Dissemination Project.

6. Developed Management by Objectives System for bureau and division.

7. Worked with legislative committees on career education, research and evaluation.

8. Prepared Presentation on career education for Chief State School Officers annual meeting.

9. Meet with area vocational-technical center directors and local vocational-technical directors to explain research and development for VTAE Division.

Florida

10. Assisted in preparation of career education guidelines for 1974-75, to be utilized with all school districts.

11. Attended the National Research Coordinating Unit Personnel Conference and the Southwide Research Coordinating Council.

12. Worked with U. S. Office of Education personnel studying disadvantaged programs.

13. Worked with council of 100 project.

PROJECTS AND ACTIVITIES PLANNED:

1. Complete the current projects operating through the U. S. Commissioner's discretionary share of research and training, and exemplary funds.

2. Prepare specifications and recommendations for research and exemplary projects for 1974-75.

3. Develop a diffusion/dissemination model for the Vocational Division.

4. Establish new research and exemplary projects funded through discretionary monies.

5. Continue developmental activities for:

   a. placement and followup
   b. career education
   c. curriculum
   d. program standards
   e. management by objectives for research and evaluation bureau.

6. Continue liaison and coordination of vocational research and development efforts in and out of State.

GEORGIA

Russell S. Clark, State Director of Vocational Education
Paul Scott, RCU Director

PROJECTS COMPLETED:

1. The Development of an Individualized Instructional System for Selected Multi-Occupational Programs in the Area Vocational High Schools of Georgia, University of Georgia, Athens

2. Developing and Piloting a Program of Individualized Instructional Systems for Five Postsecondary Vocational Offerings in the Field of Trade and Technical Education, University of Georgia, Athens

3. Survey of Employment Opportunities, Career Ladder, and Training Requirements for Vocational Basic Job Clusters with Projections of Job Openings and Training Requirements to 1976, Georgia Institute of Technology, Atlanta

4. The Establishment of a Research and Dissemination Component in the Vocational Education Division of The University of Georgia, University of Georgia, Athens

NEW PROJECTS FUNDED:

1. Project to Develop Curriculum Materials for the Disadvantaged and Handicapped, Georgia Southern College, Statesboro

2. Vocational Guidance Project, Georgia Department of Education

RESEARCH RELATED ACTIVITIES:

1. In the areas of Data Processing and Machine Shop, produced State of the Art Reports, developed and validated a comprehensive tool, equipment and task listing, produced domain reports as part of the seven-State V-TECS Consortium.

Georgia

2. Developed a manual for writers of performance objectives and criterion-referenced test items.

3. Developed the preliminary study for adopting the California Public Service materials to the Georgia Cluster Program.

4. Consulted with University of Georgia classes on the preparation of research proposals.

5. Prepared a guidance proposal.

6. Worked with local school systems in the development of proposals to fund selected validated programs.

7. Performed numerous searches of the literature.

8. Conducted workshops concerned with career and/or vocational education.

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of a Public Service Cluster in the Gwinnett County School System.

2. Cobb County, Georgia Diffusion Project.

3. Development and Implementation of a Fine Arts Cluster.

4. Valdosta State College Dissemination Project.

5. Renew membership in V-TECS Consortium.

6. Develop a Statewide Evaluation Plan.

7. Provide mini-grants to school systems for use in adopting validated projects.

HAWAII

Samson S. Shigetomi, State Director of Vocational Education
Sybil Kyi, RCU Director

PROJECTS COMPLETED:

1. A Statewide Followup of Postsecondary Vocational Education Graduates in the University of Hawaii Community Colleges

2. Community College Instructor's Survey of Occupational Needs in Hawaii, Honolulu Community College

3. Study on Molokai and Lanai Job Requirements

4. Kauai Community Occupational Survey

5. A Statewide Followup System of Secondary Level Program Graduates, FY 1972, FY 1973, Data Technical Associates, Honolulu, HI

NEW PROJECTS FUNDED:

1. Statewide Followup Survey on FY 1973 Vocational Education Graduates in the University of Hawaii Community Colleges

RESEARCH RELATED ACTIVITIES:

1. Preparation of individual community college reports on FY 1973 Vocational Education Graduate Followup Survey. Preparation of Statewide report and publication including summary and comparisons with FY 1972 Graduate Followup Survey.

2. Dissemination of and resource consultant for information on AIM/ARM, ERIC, NIE Grant Applications, local manpower, employment and occupational information, other funding opportunities for R&D in vocational-technical programs; maintenance of vocational-technical staff library.

3. Development of and close coordination with Part C Commissioner's grant award project and related EPDA (553) grant award.

Hawaii

4. Development of Statewide occupational employment demand projection model.

5. Preparation of Management By Objectives workshop for State Vocational Convention.

6. A Statewide enrollment data system for secondary level program graduates, FY 1974.

8. A Statewide comprehensive Career Development Continuum (K-14).

9. Inservice experimental team programs at Waianae, Kaimuki and Konawaena high schools.

10. ETV materials development for Career Development Program support at grades 4-6.

11. Career Information and Resource Centers established and maintained at Roosevelt and Kailua high schools.

PROJECTS AND ACTIVITIES PLANNED:

1. Complete Statewide publication on Followup Surveys of FY 1972 and 1973 Vocational Education Graduates.

2. Continue R&D dissemination activities and maintenance of vocational-technical staff library.

3. Recruitment and orientation of staff for Part C Commissioner's grant award project and related EPDA (553) grant award project.

4. Continue development and initiate contractual negotiations for Statewide occupational demand projection model.

5. Conduct Management by Objectives Team (Oklahoma) Visit and coordinate their workshop at State Vocational Convention; help to develop Statewide vocational education administration MBO plan.

6. Preparation of Vocational Education FY 1974 Graduate Survey.

7. Solicit applications for research studies in designated priority areas.

IDAHO

Roy D. Irons, State Director of Vocational Education
Kenneth Hanson, RCU Director

PROJECTS COMPLETED:

1. Evaluation of the Impact of a Comprehensive Program to Improve Office Occupations Education at Madison High School as Measured by Student Competence (R-3), Madison High School School Dist. #321, Rexburg

NEW PROJECTS FUNDED:

1. Career Development through Vital Information for Education and Work (R-12), Sugar-Salem School Dist. #322, Sugar City

RESEARCH RELATED ACTIVITIES:

1. Assisted State staff in the development of Management by Objectives
2. Distributed curriculum information and materials
3. Developed and distributed Idaho State Plan
4. Distributed research reports
5. Participated in review of Exemplary Projects

PROJECTS AND ACTIVITIES PLANNED:

1. Continue development of Management by Objectives
2. Continue curriculum dissemination effort
3. Increase dissemination effort of research information

ILLINOIS

Sherwood Dees, State Director of Vocational Education
Ronald D. McCage, RCU Director

PROJECTS COMPLETED:

1. Computer Based Guidance, Chicago Board of Ed.

2. Analysis of Current Manpower Labor Market Information in Illinois, Phase II, Western Illinois University, Macomb

3. DISCOVER - A Computer Based Guidance and Administrative Support System, Phase I and Phase II, Willowbrook High School, School District #88, Villa Park, Illinois

4. Career Education Resource Laboratory, Phase I, Eastern Illinois University, Charleston

5. To Review, Sunthesize, and Annotate the Body of Literature Written Since March, 1970 in the Areas of Career Development and/or Career Education (Facilitating Career Development: An Annotated Bibliography II), Southern Illinois Univ., Carbondale

6. Consumer and Homemaking Articulation Program, Southeastern Illinois Community College, Harrisburg

7. A Demonstration Center for a Secondary, Post-Secondary and Adult Consumer and Homemaking Program, Kennedy-King Community College, Chicago

8. A Demonstration Center to Exhibit the Merits of W.E.C.E.P. Programs and Ways in Which They May Be Originated, Carbondale Community High School District #165

9. W.E.C.E.P. Demonstration Center for Northern Illinois, School District #46, Elgin, Illinois

10. A Needs Assessment for New and Innovative Programs in Cooperative Education, Person-o-metrics, Inc., Dearborn Heights, MI

Illinois

NEW PROJECTS FUNDED:

1. To Assess the Status of Career Education Activities Supported by the Division of Vocational and Technical Education in Illinois Since 1970, Tadlock Associates, Inc., Los Altos

2. Measuring Career Readiness in Elementary and Secondary Education, Southern Illinois University, Edwardsville

3. A Design for a Regional Occupational Education Coordination Council, Northwestern University, Evanston

4. Survey of Governmental Agencies to Determine Job Opportunities and Related Training Possibilities, Western Illinois University, Macomb

5. DISCOVER - A Computer Based Guidance and Administrative Support System, Phase II, Willowbrook High School, School District #88, Villa Park

6. Tri-County Career Education Project, Illinois Central Community College, Tri-County Industry-Education-Labor Council, East Peoria

7. Thinking for Action in Career Education, National College of Education, Evanston

8. To Develop and Demonstrate a Heavy Equipment Program in Operation and Maintenance for High School Students, Edwards County High School, Edwards County Community Unit School District #1, Albion

9. Career Education for the Handicapped, Springfield District #186, Springfield

10. An Exemplary Program in Occupational Education for the Veteran, Arlington, VA, Has Chicago, Illinois Office -- Control Systems Research, Inc.

11. Implementation and Field Testing of the Adult Vocational Education Model Program, Thornton Community College, South Holland

Illinois

12. An Impact Assessment of the Demonstration Center As a Dissemination Technique, Northern Illinois University, DeKalb

RESEARCH RELATED ACTIVITIES:

1. The Development of a Career Education Model for Grades 7-10, Posen-Robbins School District 14 1/2, Chicago State University, Posen

2. Production of Multiple Copies of a 15-30 Minute Film Based on Illinois Developments in Career Education, Southern Illinois University, Carbondale

3. East St. Louis Career Education Project, East St. Louis School District 189

4. Third Party Evaluation of Six Career Education Projects, Success Research Consultants, Inc., Tinley Park

5. CIOEDC Project, Site A, Elementary Secondary, and Joliet Junior College District/Joliet Township High School District #204, Joliet

6. CIOEDC Project, Site B, Cumberland High School and Junior College/Cumberland Unit School District #77, Toledo

7. CIOEDC Third Party Evaluator, Educational Management Services, Inc., Minnespolis, MN

8. CIOEDC Project Headquarters - Research and Development Unit, Division of Vocational and Technical Education, Illinois Board of Vocational Education and Rehabilitation, Springfield

PROJECTS AND ACTIVITIES PLANNED:

1. A Field Test, Validation, and Refinement of the Career Education Resource Laboratory, Eastern Illinois University, Charleston

2. Implement, Field-Test, and Provide Visibility for the Supply, Demand, Followup, and Cost Analysis Components with Emphasis on the Integration of All Components into a Viable, Interacting System, Continued Project Managed Through Research and Development Unit

3. Development of a Model Placement Center as a Comprehensive, Developmental/Diffusion-Oriented Ancillary Source to be Offered by Local Educational Agencies at the Secondary and Post-Secondary Level, Request for Proposal

4. Initiate an Activity to Develop a Systematic Approach for Determining Teacher Supply, Demand, Qualifications, and Trends on a Statewide Basis, Request for Proposal

5. To Provide for the Support of Innovative Ideas for the Improvement of Career Education that Relate to the Three Goals Supported by Part C Funds, Request for Proposal

6. Refinement and Demonstration of the Career Education Model for Grades 7-10, Chicago State University

7. To Implement, Field-Test, and Refine a Model Occupational Education Program for Disadvantaged Persons at the Secondary Level and to Ascertain Recommendations for Program or Course Changes Based on the Data Collected Pertaining to the Effectiveness of the Model Program and Each of Its Separate Components, Southern Illinois University, Carbondale

8. To Operationalize a Comprehensive Illinois Occupational Education Demonstration Center (K-14) Utilizing Completed Contractual Activities Sponsored by the Illinois Division of Vocational and Technical Education, Request for Proposal

9. The Development and Implementation of New and Emerging Occupational Programs for Young Women at the Secondary Level, Request for Proposal

10. To Support a Demonstration Center to Highlight the Five Occupational Clusters Being Field-Tested Under a Contract Issued by the Professional and Curriculum Development Unit, Springfield School District #186, Springfield

11. Develop an Occupational Education Orientation Program Designed to Equip the Student with the Ability to Survive in Today's Work World, Request for Proposal

12. To Provide a Means Whereby the Classroom Teacher Can Make the Most Effective Use of Educational Resources--A Guide for Conducting "Action" Research, Request for Proposal

13. To Conduct a Multi-Stage Comparative Assessment of Secondary and Post-Secondary Consumer and Homemaking Education Programs with Emphasis on Identification of Exemplary Program Components, Request for Proposal

14. To Conduct a Comparative Analysis of the Organizational and Operational Patterns of Regular Cooperative Education Programs as Compared with Special Cooperative Education Programs, e.e., WECEP, CWT, Special Education Programs, DVT, Request for Proposal

INDIANA

Don K. Gentry, State Director of Vocational Education
Carol Ann Hodgson, RCU Director

PROJECTS COMPLETED:

1. Innovative Plan for Teaching Automobile Service Station Occupations, Porter County

2. Pre-Vocational Program at a Middle School, North Gibson Sch. Corporation

3. The Development of a Vocational Management by Results Model for State and Local Vocational Administration to Create an Annual and Five Year Plan for High Schools in Indiana, Ross Township

4. A Follow-up on the Plans of Indiana High School Seniors in the Class 1972, John Birdcell, Indiana Vocational Technical College

5. Pilot Project Research in Modern Mathematics as Applied to Machine Trades, Daniel Rayschich, Elwood City Schools

6. The Development and Testing of an Independent Study Instructional Unit Concerning the Metric System of Measurement - A Guide to the Metric System, Dan Householder & Gary Hansen, Purdue University

NEW PROJECTS FUNDED:

1. Development of a Health Occupations Continuing Education Center, Evansville-Vanderburgh School Corporation

2. Innovative Project Involving Research and Development of New Approaches to Vocational Education in Oral Communication Skills for Business Students, Indiana Vocational Technical College

3. Horticulture Seminar, Charles Allen Prosser Vocational Center

4. General Related Instruction Guide for Vocational Distributive Education (Revision), Fort Wayne Community Schools

5. Identification and Evaluation of Student Admissions and Evaluation Procedures for the Vocational Nursing Programs in the State of Indiana, Fort Wayne Community Schools

6. Course Content for Teaching Electrical Discharge Machining for the Secondary Vocational Level, Mid Central Area Vocational School

7. Mini-Project to Develop an Individual Instruction Mode for the Course "You and the World of Work", Vincennes University Junior College

8. Development of Supervised Experience Program Record Books for Students Enrolled in Indiana Vocational Agribusiness Programs, Prairie Heights High School

9. Development of Instructional Materials for Use by Indiana Vocational Teachers in Teaching Leadership and Character Development to Youth in Indiana, Purdue University

10. Developing and Maintaining a District Center to Provide Services for Teacher-Coordinators in BOE, Graduates of BOE Programs, and the Business Community, Tri-Creek School Corporation

11. The Development of a Model Followup Instrument and Computerized Procedure Applicable to High or Post-High Utilization, Vincennes University

12. Model Career Placement Service, LaPorte Community School Corporation

13. Strategies for a Placement Service at the LEA Community Level, New Albany-Floyd County Consolidated Sch. Corp.

14. Placement Service Model, Elwood Community Sch. Corp.

Indiana

15. A Proposal to Develop a Comprehensive State-Wide Assessment and Evaluation Plan for Indiana's Vocational-Technical Activities, New Educational Directions, Crawfordsville, IN

16. Data Systems Contract, MSD of Washington Twp.

17. Piloting the Career Education Guide, 12 school corporations

18. A Dissemination System for the Indiana Research Coordinating Unit, Indiana University

19. A System to Integrate Efforts of Universities' Counselor Educators, Vocational Educators and School System Educators to Develop a Stronger Counselor Training Program, Indiana University

20. Career Education Program Helping all in Counseling, Ball State University

21. A Needs Assessment for Region V in Indiana for Area Planning, Marion Community Schools

22. A Proposal for Continuation of the Career Resource Mobile Training Unit as a Statewide Service, Penn-Harris-Madison School Corporation

RESEARCH RELATED ACTIVITIES:

The organization of the Division has been revised with the Coordinator of Research as part of the OPERATIONS UNIT. Overall Division objectives are being written and will be the focal point of each individual's direction.

PROJECTS AND ACTIVITIES PLANNED:

1. Issuing of "Requests for Prospectuses" based upon priorities identified by the State Board for Vocational and Technical Education

2. Meeting of all project directors of recently funded projects so each has a clear understanding of expectations and funding stipulations.

IOWA

William O. Schuermann, State Director of Vocational Education
Kenneth M. Wold, RCU Director

PROJECTS COMPLETED:

1. Instructional Materials Development and Articulation in Career Education, Iowa State University

2. Workshop in Curriculum Organization and Development in Agri-business and Natural Resource Education, Iowa State University

3. Identification of Occupational Competencies in Services for the Electromechanical Cluster of Occupations, Iowa State University

4. The Development of Learning Activity Packages for a Distributive Education Learning System, University of Northern Iowa, Cedar Falls

5. The Development of a List of Competencies for Office Occupations, University of Northern Iowa

6. Computerized Vocational Information System (CVIS), Joint County School System, Cedar Rapids

7. IOWAscript, Des Moines Area Community College, Ankeny

8. Models for Precareer Education in Iowa, Iowa State University

9. Total Career Education, Monticello, Monticello Community School District

NEW PROJECTS FUNDED:

1. Implementing Distributive Education Learning Systems, University of Northern Iowa

2. Career Development Needs in Merged Area III, Iowa Lakes Community College, Estherville

3. Needs for Integrating Career Education Services Within Des Moines Area Community College District, Merged Area XI, Des Moines Area Comm. College, Ankeny

4. Area XV Comprehensive Career Education Research and Plan Development, Indian Hills Comm. College, Ottumwa

5. Interdisciplinary Curricular Planning for Career Development at Secondary Level

RESEARCH RELATED ACTIVITIES:

1. A Training Area Priority was developed and distributed to area schools

2. Worked with individuals interested in preparing proposals for research and exemplary projects

3. Visited with project directors and staffs to review and assess the progress of research and exemplary projects and to consult with regard to continuation of these projects

4. The State Plan for the Administration of Career Education in Iowa, FY 1975, was prepared and fowarded to the Region VII Office of Education for approval

5. Prepared reports for Project Baseline

6. Reviewed elementary-secondary and postsecondary program proposals for approval and funding

7. Coordinated the review and preparation of research and exemplary project materials for dissemination

8. Continued to develop a file of competency studies for use by state consultants in assisting local educational agency personnel in the development of curriculum materials

9. A Career Education Assessment and Planning Workshop was held to share information and to encourage area schools to become involved with assessment and planning projects to assist in efficient resources management. Directors of six research projects provided progress reports; technical assistance and support now available from the state educational agency were explained. Participants included area school superintendents, assessment and planning project directors, and local area chairmen from the Council for the Improvement of Education in Iowa

10. Printed and Disseminated:
Models for Career Education in Iowa --
"Selected Occupations by Clusters for Use in Elementary Schools"
"Information Centers in Career Education"
"Implementing Career Education in the School Curriculum"

11. Placed the above publications on microfiche and disseminated them to the Iowa Regional Educational Media Centers and to others upon request

12. Made a video tape presentation for a university workshop concerning available career education publications

13. Conducted on-site Department of Public Instruction team visits to exemplary projects for evaluation of progress

14. Acted as consultant in formulation of agreements and development of Career Information System of Iowa as a merger of two exemplary projects, CVIS and IOWAscript

PROJECTS AND ACTIVITIES PLANNED:

1. The Career Education Research Advisory Committee will meet to review research proposals

2. Visitations to on-going research and exemplary projects will continue

3. Consultative assistance will be provided to proposal initiators and directors of research and exemplary projects

4. The Annual U.S. Office of Education Statistical, Fiscal, and Descriptive Report of Activities for Fiscal Year 1974 will be prepared and submitted

5. The State Plan for the Administration of Career Education for FY 1976 will be prepared in cooperation with the Career Education Division and other divisions of the Department of Public Instruction

6. Upon approval of the U.S. Office of Education will print and disseminate the State Plan for the Administration of Career Education, FY 1975

7. A Career Education Handbook to supplement the use of the State Plan will be revised

8. Staff will continue to stimulate interest in additional exemplary and research undertakings

9. Staff will continue to disseminate appropriately the findings of the various projects

10. Update the exemplary projects portion of the Iowa Career Handbook

11. Prepare additional publications for dissemination

12. Conduct on-site team visits to exemplary projects

13. Provide consultative assistance in the development of exemplary proposals

14. Encourage and stimulate the initiation of exemplary proposals

KANSAS

John E. Snyder, State Director of Vocational Education
Wilbur A. Rawson, RCU Director

PROJECTS COMPLETED:

1. Identifying, Securing and Classifying Curriculum Materials in Agri-Business and Natural Resources, Ralph Field, KSU

2. Kansas Manpower Utilization System for Training Phase II, James Harris, KSU

3. Coordination of Vocational Research in Institutional Settings in Kansas, Dr. Kittleson, KSU

NEW PROJECTS FUNDED:

1. Study of Job Studies by Distributive Education Students, KSTC-Emporia

2. Identified Core Curriculum for Productive Agriculture, KSU

3. Development and Testing Training Memorandums for Distributive Education, Wichita AVTS

4. Development of Tested Curriculum for Conceptual Based Industrial Education Programs, Wichita AVTS

4. An Assessment of Industrial Education Teacher Preparation and Performance, Kansas City AVTS

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a Southeast Kansas regional planning component for vocational education and career education

2. Developing a research component for vocational education in the State Department of Education

KENTUCKY

Carl F. Lamar, State Director of Vocational Education
Robert M. Schneider, RCU Director

PROJECTS COMPLETED:

1. Research Related to Bowling Green Independent School System's Comprehensive Career Education Model, Western Kentucky University, Bowling Green

2. Research Related to the Regional Career Education Development Project -- KVE 3, Western Kentucky University, Bowling Green

3. Effects of a Program of Career Education in the Hazard Region, University of Kentucky, Lexington

4. Field Testing Career Exploration Materials, Bureau of Voc. Ed., Frankfort

5. Career Education Development Project: Hazard, Bowling Green, and Owensboro, SACS, Atlanta, GA

6. Dissemination of Information Relating to Selected Aspects of the Bowling Green City Schools Career Education Project, Bowling Green City Schools

7. Career Education Development Project -- KVE 3, Daviess County SVTS, Owensboro

8. Developmental Program in Distributive Education, Western Kentucky University, Bowling Green

9. Development of Instructional Materials for Teachers of Adult Programs in Vocational Fire Services, Bureau of Voc. Ed., Frankfort

NEW PROJECTS FUNDED:

1. Career Education Development Project: KVE 3, Daviess County SVTS, Owensboro

2. Developmental Program in Distributive Education, Western Kentucky University, Bowling Green

Kentucky

3. Career Education for Region 12 (Hazard), Kentucky Valley Educational Cooperative, Hazard

4. Mining and Reclamation Cooperative Education Program, Madisonville SVTS, Madisonville

5. Addendum to Distributive Education Curriculum Project Phase II, University of Kentucky, Lexington

6. Addendum to Two Hour Vocational Classes at the Laurel County Area Vocational School, ROPES XIII, Barbourville

7. Addendum to Field Testing Career Exploration Materials, Bureau of Voc. Ed., Frankfort

   Note: the above three projects are addendums to proposals that were listed in earlier semiannual reports

8. Development of Competency Based Examinations for Practical Nursing Program Challenge, Bureau of Voc. Ed., Frankfort

RESEARCH RELATED ACTIVITIES:

1. The Bureau of Vocational Education has developed and conducted a series of three day workshops across the State on the procedures and techniques used in developing research and development proposals. Approximately 120 vocational education teachers and administrators have participated in these workshops.

2. There has recently been established a Bureau of Vocational Education--University Coordinating Committee consisting of representatives of all of the Kentucky institutions of higher education that prepare vocational education teachers and the Bureau of Vocational Education. The major purposes of this committee are:

   a. To establish formal communication channels between and among the universities in the Commonwealth and the Bureau of Vocational Ed.

b. To provide advice concerning vocational education programs, services, and activities of mutual concern to personnel in the universities and personnel in the Bureau of Vocational Education.

c. To seek appropriate ways and means of cooperating in the providing of services to local education agencies.

3. Following a series of inservice education activities, The Bureau of Vocational Education is operating under a system of Management by Objectives with each division, unit and staff member developing objectives and activities relating to their various functions.

PROJECTS AND ACTIVITIES PLANNED:

1. By January 1, 1975 it is anticipated that the Bureau of Vocational Education staff will have completed 6 catalogs of objectives relating to the specific skills and abilities necessary for selected occupational areas.

2. By January 1, 1975 the Bureau of Vocational Education expects to have documented a model for developing instructional packages, based upon the concept of open entry-open exit, individualized instruction, for the catalogs mentioned above.

3. Between July 1 and December 30, 1974 the Bureau of Vocational Education plans to develop a model for a comprehensive management information system (MIS) for vocational education in Kentucky. This will include manpower supply, manpower demand, student interest and aspirations, student followup and several other components currently unidentified.

LOUISIANA

Kirby K. Awagain, State Director of Vocational Education
Gertrude Enloe, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED:

1. Louisiana Occupational Training Information System, Roger L. Burford, Louisiana State University

2. Research and Development Project in Career Education, Harold Gauthe, Lafayette Parish School Board

3. Research and Development Project in Career Education, Paul J. Moses, Calcasieu Parish School Board

4. A Comprehensive Follow-Up System of Louisiana's Vocational Education Students Who Have Completed Training or Left With Marketable Skills, Charles Curtis, School of Vocational Education, Louisiana State University

5. Research and Development Project in Career Education, Robert J. Aertker, East Baton Rouge Parish School Board

6. An Orientation Program for Vocational Education, James O. Lancaster, Ouachita Parish School Board

7. A Pilot Abbreviated Subsidized Work-Study Program Ouachita Parish High School, James O. Lancaster, Ouachita Parish School Board

8. Career Development of Youth for the World of Work, E.H. Farr, Winn Parish School Board

9. Mobile Exploratory Unit for Vocational Development, James V. Soileau, East Feliciana Parish School Board

10. A Follow-Up Program for High School Graduates in the Vocational Fields, Thomas G. Judd, Lincoln Parish School Board

Louisiana

11. Continuous Health Service Education, Chiles I. Carpenter, Union Parish School Board

12. Exemplary Program for Career Education, W.J. Bullock, Natchitoches Parish School Board

RESEARCH RELATED ACTIVITIES:

1. Monitoring Part C and Part D research projects in progress

2. Assisting in proposal writing in the State Department of Education

3. Assisting project proposal writing and planning for persons outside the Department of Education

4. Processing reimbursement request forms for Part C and Part D projects

5. Receiving, reviewing, and submitting quarterly, interim, and annual for Part C and Part D projects

6. Served on committee for planning the new vocational-technical school system for Louisiana

7. Served on NCATE reviewing team at Northwestern State University

8. Assisted local education agencies plan for vocational education programs in a new school

9. Continued data collection by request and also population data for preparation of the State Plan

10. Served as workshop consultant on Career Education in St. Tammany Parish

11. Completed feasibility studies for the establishment of vocational-technical schools in Livingston and Catahoula Parishes

12. Completed a survey to determine the location of microfiche readers, reader-printers and subscriptions to Research in Education in the State of Louisiana

PROJECTS AND ACTIVITIES PLANNED: NONE

MAINE

Elwood A. Padham, State Director of Vocational Education
Charles W. Ryan, RCU Director

PROJECTS COMPLETED:

1. Consortium in Higher Education, University of Maine Augusta
2. Occupations Course in Modern Forestry Practices, SAD No. 27, Fort Kent
3. Program to Advance Career Education, Portland Public Schools
4. Career Education Curriculum Guide Grades K-12, University of Maine, Orono
5. Prediction of Success in Selected Vocational-Technical High School Programs, University of Maine, Orono
6. Coastal Opportunities in Vocational Education, SAD No. 40, Waldoboro
7. Westbrook Educates for Business, Westbrook Regional Technical Vocational Center
8. GIVE - Geographically Isolated Vocational Education, MSAD #2, Greenville, Maine and MSAD #12, Jackman
9. Center for Educational Field Service & Research, University of Maine, Portland-Gorham
10. The Self-Directed Career Program As A Tool for Presenting Career Information to Ninth Grade Students

NEW PROJECTS FUNDED:

1. Career Days, Hall-Dale High School, Hallowell, ME
2. An In-School Job Placement Service for Secondary School Students, Mt. Ararat High School, Topsham
3. Teacher Training for Career Education, College of Education, University of Maine, Orono

4. Development of Demonstration Modular Curriculum, Lewiston Comprehensive High School, Lewiston

5. Career Education Within the University of Maine System, College of Education, University of Maine, Orono

6. The Effects of Selected Instructional Strategies on Learning Efficiency in Vocational Technical Education Programs, College of Education, University of Maine, Orono

RESEARCH RELATED ACTIVITIES:

1. Women in the World of Work, sponsored by Technical Education Research Center, Hartford, Connecticut, March 17-18, 1974

2. World of Work Economic Education, sponsored by the Joint Council on Economics Education, Hartford, Connecticut, April 29-30, 1974

3. Career Education In The Schools, Bangor Rotary Club, January 22, 1974

4. Career Education In Rural Areas, Penquiscook In-Service Training Project, Blue Hill, Maine, April 15, 1974

5. Case Conference - A Guidance Technique, Conference sponsored by the Division of Counselor Education, College of Education, University of Maine, Orono April 26, 1974

6. Career Education In The School - Grades K-12, Worcester, Massachusetts Public Schools, May 14, 1974

7. What Is Career Education, Guilford Public Schools, Guilford, Maine, May 17, 1974

PROJECTS AND ACTIVITIES PLANNED: NONE

MARYLAND

James L. Reid, State Director of Vocational Education
Marinus A. Kip, RCU Director

PROJECTS COMPLETED:

1. Career Information Resource Center for Learning Experiences, Baltimore County Board of Education

2. An Empirical Optimality Determination of Three Career Program Planning and Development Aspects: Articulation, Community Participation, and Faculty Commitment, Catonsville

3. Research and Development of a Computer-Assisted Instruction Center for Postsecondary Vocational Projects

4. A Research Project to Develop Model Curricula for Food Technician Programs, Chesapeake

5. Paraprofessionals as Debt, Nutrition and Medicare Counselors: A Study in Effectiveness, Dundalk

6. Evaluation Planning at the Wye Institute, Prince George's

7. Compilation and Dissemination of Existing Research Findings Concerning the Vocational Industrial Teacher in the State of Maryland, University of Maryland

8. A Study to Assess the Feasibility of Installation of a Computer and/or an Information Dissemination System for Vocational Education in the Alleghany County Resource Center, University of Maryland

NEW PROJECTS FUNDED:

1. Project "ACE" - Approaches to Career Education, Baltimore County Board of Education

2. Career Information Resource Center for Learning Experience, Baltimore County Board of Education

Maryland

3. Study of the Effects of Career Education, Prince George's County Board of Education

4. Food Service Manpower Study, Chesapeake College

5. A Study to Determine the Effectiveness of Multi-modeling Individualized Instructional Packages in Teaching Seminar Methodology to Occupational Industrial Education Teachers, University of Maryland

RESEARCH RELATED ACTIVITIES:

1. FY 1974 Operation of the Vocational Education Student-Teacher Data System. A complete statistical description of programs, students and teachers on the secondary, postsecondary and adult levels.

2. The Annual Maryland High School Graduate Followup Study. Comprehensive followup of all Maryland High School graduates, public and private, with special emphasis on vocational-technical graduates by program area.

3. A Comprehensive Program and Institutional Evaluation of the Wicomico Vocational-Technical Center.

4. A large number of ancillary services in the areas of accountability, project evaluation designs, and research designs.

PROJECTS AND ACTIVITIES PLANNED:

1. Initiate application of a procedure for determining cost effectiveness of one or more postsecondary occupational programs.

2. Initiate application of a procedure for determining cost-effectiveness of one or more secondary occupational programs.

3. Plan and implement a sample procedure which will cover non-respondents to the followup survey.

4. Conduct a study of contributions that are currently being made by State, regional, and local Governments and institutions who provide manpower programs for the overall vocational-technical education program in the State.

5. Maintain systems for followup student data and teacher data.

6. Maintain and fund personnel and services necessary to operate the Research Coordination Unit.

7. Maintain support for ongoing research projects.

8. Develop and fund one research and demonstration project for an interdisciplinary approach to Consumer Education.

9. Plan and implement a project to ascertain the most effective method for integrating the vocational-technical education curriculum with the student's overall high school program.

10. Plan and implement one project to identify and develop curricula for occupations which would lend themselves to training in existing occupational programs to be trained in each of the following areas: distributive education, auto mechanics and business education.

11. Continue the existing evaluation system and pilot implementation for secondary programs toward a goal of completion and feasibility by end of fiscal 1975.

MASSACHUSETTS

John Manning, Acting State Director of Vocational Education
Jack Sweeney, RCU Director

NO REPORTS RECEIVED

MICHIGAN

Addison Hobbs, State Director of Vocational Education
Stanley Rumbaugh, RCU Director

PROJECTS COMPLETED:

1. Career Education Personnel Model, John T. Odbert and Eugene E. Trotter, School of Education, University of Michigan, Ann Arbor

NEW PROJECTS FUNDED:

1. Agribusiness and National Resources Education in Michigan: Employment Demand, Competencies Required and Recommended Delivery Systems, College of Agriculture and Natural Resources, Michigan State University, East Lansing

RESEARCH RELATED ACTIVITIES:

1. A major effort to develop a career development conceptual model, including a sound foundation of goals and objectives has been completed. The goals and objectives organized as a comprehensive hierarchy of objectives is now being subjected to an extensive validation process, including reviews by career development theorists, learning theorists, and various user groups, including teachers and counselors.

2. An innovative alternative to the career education "unit" approach to implementing career education has been developed. This process assists teachers to incorporate career development instruction into their existing instruction without reducing or replacing the instruction they are now delivering. This process places importance on the maintenance and improvement of existing instruction.

3. Assisted development and EPDA-F grant for operation of training programs for vocational educators in the use of local advisory councils. The grant, to Central Michigan University, involves a needs assessment, the development and implementation of training materials, and a final evaluation.

4. Assisted in development of an RFP for implementing performance based instruction in Michigan vocational education program.

5. Continued development and pilot testing of the Vocational Education Information Support System.

PROJECTS AND ACTIVITIES PLANNED:

1. The innovative process approach to implementing career education will be pilot and field tested within workshops conducted around the State. These workshops will be conducted with the aid of a workshop package designed and developed by Career Education project people in the State of Michigan.

2. During the next few months, work will begin on the development of an exploration program which will be consistent with the goals and objectives for career development which are now undergoing validation and refinement.

3. Completion of work cited in number 3 above.

4. Assist in the planning, development, and implementation of the vocational-technical inservice training program.

5. Continue development and pilot testing and begin installation of the Vocational Education Information Support System.

MINNESOTA

Robert P. Van Tries, State Director of Vocational Education
Jerome Moss, Jr., RCU Director

PROJECTS COMPLETED:

1. Project opportunity (Phase III), Anoka AVTI
2. View and Match Project, Dakota County AVTI
3. International Vocational Studies in Fashion Merchandising and Design, Suburban Hennepin County AVTI
4. Project Shore: Providing Relevant Supplies and Equipment for Vocational Education in Minnesota, Detroit Lakes AVTI
5. Administration of Educational and Vocational Guidance Tests in Minnesota Schools, University of Minnesota
6. Research Coordinating Unit - Vocational Education, University of Minnesota

NEW PROJECTS FUNDED:

1. Administration of Educational and Vocational Guidance Tests in Minnesota Schools, University of Minnesota
2. International Vocational Studies in Advanced Culinary Arts, Suburban Hennepin AVTI

RESEARCH RELATED ACTIVITIES:

1. Emphasis will be placed on dissemination of processes and products which have resulted from research and development projects. The establishment of an instructional materials center for facilitating this effort is expected to take place during this time.

Minnesota

PROJECTS AND ACTIVITIES PLANNED:

1. Numerous projects will continue into succeeding phases of operation. Additionally, new projects will be implemented from Fiscal Year 1975 monies.

MISSISSIPPI

Troy V. Majure, State Director of Vocational Education
James E. Wall, James F. Shill, RCU Co-Directors

PROJECTS COMPLETED:

1. Mississippi Research and Curriculum Unit, Mississippi State University (MSU)

2. Evaluation of an Urban Career Education Project in Mississippi Delta, MSU

3. Evaluation of Northeast Mississippi Career Opportunities Program, MSU

4. Evaluation of Louisville, McComb, and Winona School Systems Career Education Projects, MSU

5. Vocational-Technical Education Consortium of States (V-TECS), MSU

6. Evaluation of a Career Education Project on Mississippi Gulf Coast, MSU

7. Impact of Instructional Manpower Development Training Act Programs of Vocational-Technical Education in Mississippi, University of Southern Mississippi (USM)

8. Identification of Social Skills in Specific Vocational-Technical Areas and Possible Instructional Approaches Applicable to Such Needs, USM

9. Development of Comprehensive Vocational-Technical and Adult Education Programs, Itawamba Jr. College

10. Evaluation of Greenwood Career Education Project, MSU

NEW PROJECTS FUNDED:

1. Evaluation of Three Rivers Career Education Project EXPLORE, MSU

Mississippi

RESEARCH RELATED ACTIVITIES:

1. Assist in implementation and development of career education in the State.

2. Development of performance objectives catalogs on plumbing and groundskeeping.

3. Development of Statewide system for determining vocational reimbursement for local programs.

4. Evaluation and monitoring of funded research projects in Mississippi.

5. Assist State Advisory Council in conducting evaluation of vocational-technical education.

6. Assist in development of EPDA plan.

7. Assist in research proposal development for local school systems, junior colleges, and universities.

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct Regional EPDA project on Training State Departments of Education personnel.

2. Evaluation of an Urban Career Education Project in the Mississippi Delta.

3. Evaluation of Northeast Mississippi Career Opportunities Program.

4. Evaluation of Louisville, McComb, and Winona School Systems' Career Education Projects.

5. Vocational-Technical Education Consortium of States (V-TECS).

6. Evaluation of a Career Education Project on Mississippi Gulf Coast.

7. Evaluation of Three Rivers Career Education Project EXPLORE.

MISSOURI

B. W. Robinson, State Director of Vocational Education
Glenn W. White, RCU Director

PROJECTS COMPLETED:

1. Research to Determine the Effectiveness and Adaptability to Individualized Instruction of the APEX Simulation Program, Shirley Evans, State Fair Community College

2. Identification of Competencies and Skills, Development of Objectives and Determination of Problem Areas for Courses Included in Agricultural Curricula Being Offered by Postsecondary Institutions in Missouri, Nila Hibdon, State Fair Community College

3. A Survey of Southeast Missouri to Determine Farm Power Technology Needs on the Postsecondary Level, George Stanek, Three Rivers Community College

4. A Research Proposal to Survey Southeast Missouri to Determine Present and Future Personnel Needs in the Field of Ornamental Horticulture, Samuel T. Denton, Three Rivers Community College

5. Followup of University of Missouri-Columbia Home Economics Education Program Entrants and Graduates from September 1, 1967 through December 1972, Joan Quilling, University of Missouri at Columbia

6. Visuals that will Aid in Teaching the Metric System to the Homemaker, Treva Kintner, University of Missouri at Columbia

7. Establishment of a Production Unit for Slide-Tape Presentations in Hotel, Motel, and Restaurant Training at Crowder College, Farrell Siddens, Crowder College

8. Discovering Yourself and Careers (Career Seminar), Joyce Fielding, State Fair Community College

9. Needs Assessment Inventory for Career Education, Richard Ehlers, Jr., North Kirkwood Junior High

Missouri

10. The Career Planning Function of Selected Practical Arts Programs in Southwest Missouri, Lawrence Drake Southwest Missouri State University

11. An Analysis of Factors Influencing Costs of Delivering Vocational-Technical Programs Among Missouri Junior Colleges, Donald Osburn, University of Missouri at Columbia

12. A Study of the Change and Impact of the Administration, Intrepretation, and Related Counseling of the Career Planning Profile, Marvin McDonald, Missouri Western College

13. A Competency-Based, Criterion Referenced Instructional Model for Careers in Agricultural Mechanization, Glen Shinn and Gene Love, University of Missouri at Columbia

14. A Comparison of Instructional Approaches to Teaching the International System of Weights and Measures to Elementary School Children with Varying Mental Ability, W. A. Downs, Central Missouri State University

15. Cable TV - A Media Approach to Communicating Job Development and Placement Services to Employers and to the Community, Jerry White and Travis Montgomery, State Fair Community College

16. Investigation of Needs of the City of St. Louis for Paraprofessionals in Home Economics, Mary Ann Zerjar, Forest Park

17. Preparation and Testing of Career Education Modules for Teacher and Counselor Education, Norman C. Gysbers, University of Missouri at Columbia

18. A Pilot Program to Identify the Competencies, Development of Objectives and Determination of Problems Included in Agricultural Curricula Being Offered by Postsecondary Institutions of Missouri, Nila Hibdon, State Fair Community College

19. Establishing Vocational Skills in Severely and Profoundly Retarded Individuals, R. B. Hogoboom, St. Louis State School Hospital

Missouri

20. Parkway Business Speaker's Resource Bureau, Maurice Geisler, Parkway School District

21. Career Development in Brentwood, Raymond Bentz, Brentwood Public Schools

22. Needs Assessment Inventory for Career Education, R. C. Ehlers and R. S. Mosby, North Kirkwood Junior High

23. Entry-Level Competencies in Clothing Related Careers Needed by Graduates of Secondary Occupational Programs and Area Vocational Schools in Missouri, Joyce Waldron, Northwest Missouri State University

24. Parent and Teacher Attitudes Toward Career Education, Barbara Fulton, University of Missouri at St. Louis

25. Followup of University of Missouri-Columbia Business Education Program Entrants and Graduates from September 1, 1964 through June 30, 1974, Jo Behymer University of Missouri at Columbia

26. Computerized Accounting Applications Filmstrip, Aldo Leker, Longview Community College

27. A Survey of Adding, Calculating, and Accounting Machines Being Used in Kansas City Area Businesses, Elwyn McGaugh, Longview Community College

28. Feasibility Study on the Need for Developing a Curriculum for Improving Corrections Personnel, Richard Hair, Longview Community College

29. A Feasibility Study to Determine an Alternative Method of Cooperative Work Experience by Block Time in a Major Metropolitan Area for Community Colleges, Gayle Wasson, Longview Community College

30. Cost-Benefit Analysis of One-Year and Two-Year Distributive Education Programs in the State of Missouri, Donald Osburn, University of Missouri at Columbia

Missouri

31. Analysis of Mathematical Skills in Mechanical Engineering Technology at Florissant Valley Community College, Donald Osburn, Florissant Valley

32. Analysis of Student Mathematical Skills in Civil Engineering Technology at Florissant Valley Community College, John Matejcic, Florissant Valley

33. A Program to Obtain Industrial Input in Program Development, Don Gelven, Linn Technical College

34. Development of an Individualized Instruction Module; Use of the Metric System: Weight, Linear, and Volume, Melba Pruitt, Florissant Valley

35. County Vocational Development Clinic, Gene Van Matre, University of Missouri at Rolla

RESEARCH RELATED ACTIVITIES:

1. Conducting information retrieval and dissemination activities including a total of 454 searches resulting in distribution of 1,517 microfiche.

2. Participated as visiting chairman in two on-site vocational-technical evaluations.

3. Acted as chairman for a committee to develop new methods and procedures in conducting on-site evaluations for junior colleges. The new strategy was developed and field tested in a large metropolitan junior college.

4. Provided consultative assistance in carrying out project proposals.

5. Continued the implementation of MOTIC (Missouri Occupational Training Information System) Student Accounting Component. Two forms - Student Enrollment Data Form (Sac-1) and Class Summary Data Form (SAC-CS) - were developed and disseminated to the participating school districts to gather enrollment data, computer programs written to handle the data and generate reports for dissemination to the participating schools for verification.

6. Information workshops were held in five separate locations for the purpose of interpreting and disseminating the information generated in the first operational year of MOTIS.

7. Five workshops were held in separate locations throughout the State to disseminate information regarding the procedures for the local schools to use in completing information required through the MOTIS system.

8. Developed an agreement for the collection and dissemination of demand data with the Missouri Division of Employment Security.

9. Solicited Level I and II research projects on a Statewide basis.

10. Continued to monitor approved research projects.

PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in the information retrieval and dissemination.

2. Monitor approved research projects.

3. Solicited Level I and II research projects on a Statewide basis.

4. Continued developments of materials and procedures for the MOTIS system.

MONTANA

Benjamin Ulmer, State Director of Vocational Education
Robert Lehman, RCU Director

PROJECTS COMPLETED:

1. Identification of Competencies in Agriculture Products, Montana State University, Bozeman

2. Identification of Competencies in Agriculture Resources, Montana State University, Bozeman

3. Career Interest Survey, School District #1, Great Falls

4. Management Information System for Vocational Education, Office of The Superintendent of Public Instruction, Helena

NEW PROJECTS FUNDED:

1. Career Interest Survey, School District #1, Great Falls

RESEARCH RELATED ACTIVITIES:

1. Currently in the process of building more parts to our Management Information System for Vocational Education. As mentioned earlier, we have completed the high school portion and consider it to be an excellent effort.

PROJECTS AND ACTIVITIES PLANNED:

1. The next step is to add the adult portion and tie our career interest survey data and employment data to the system.

NEBRASKA

Glen H. Strain, State Director of Vocational Education
Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED:

1. Nebraska Vocational Technical Graduate Followup System, Kearney State College Center for Vocational Technical Education

2. Statewide Computerized Model for Determining Occupational Opportunities in Nebraska, University of Nebraska, Lincoln Research Coordinating Unit for Vocational Education

3. Minimum Levels of Technical Competency in Office of Education, Kearney State College, Center for Vocational-Technical Education

NEW PROJECTS FUNDED:

1. Statewide Computerized Model for Determing Occupational Opportunities in Nebraska, University of Nebraska, Lincoln Research Coordinating Unit for Vocational Education

2. Home Economics Related Occupations Promotion in Nebraska Through Media Visitations, Kearney State College Center for Vocational-Technical Education

3. A Competency-Based Program for Preparing Vocational Education Teachers, Kearney State College Center for Vocational-Technical Education

RESEARCH RELATED ACTIVITIES:

1. Dissemination of Career Education materials from the Milford Career Education Project to other RCU Directors.

2. First year the annual occupational opportunities in Nebraska was coordinated on regional basis by technical community college areas.

3. Assisted proposal development and review for exemplary (Part D) projects.

4. Program evaluation for State career education projects.

5. Developed proposal for a Nebraska Vocational Information System under the U. S. Commissioner's discretionary award of Part C.

PROJECTS AND ACTIVITIES PLANNED:

1. Coordination of a project funded by U. S. Office of Education for Nebraska Vocational Information System for Division of Vocational Education, State Department of Education.

2. Merging of past project products with ongoing vocational programming.

NEVADA

R. Courtney Riley, State Director of Vocational Education
Jake Huber, RCU Director

PROJECTS COMPLETED: NONE

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

The activities which follow were conducted on a half-time basis by the Associate Director of the RCU.

The Nevada RCU does not have under its aegis the responsibility or authority for the funding of research or exemplary projects. Consequently, no new projects were funded by the RCU nor were any projects completed during these two quarters.

1. The RCU has been very active in its monitoring capacity of all Part C and D (commissioner's funded and state funded) projects. There were four such projects in operation. The monitoring duties of the RCU assume the fole of:

   a. Assuring project compliance with state and Federal regulations

   b. Keeping abreast of project progress for purposes of problem identification (if any), progress reporting to state and Federal personnel, and to assure compliance with the agreed upon work statement

   c. Providing technical or consultative assistance, upon request, to project staff. This latter function is perhaps the most important, most time consuming, and most useful function that the RCU provides to project staff

2. The RCU Curriculum and Resource Library has had the following usage:

   31 walk-in users
   27 phone and mail requests for information

18 information search requests

New additions to the collection include:

3 microfiche
52 documents
7 (three prints of each) films

3. "RCU Report" Newsletter--Five issues of the newsletter have been printed and disseminated to 1,100 educators in Nevada plus 250 people across the nation.

4. Consultant Services--This activity of the RCU has been where the majority of emphasis has been applied. Consultant Services (non-fee, of course) have been provided to LEA and SEA for program planning, program review, proposal development, and program technical assistance

Ours is a small state in terms of population (489,000 people by 1970 Census) and a large state geographically speaking (110,540 square miles). With an average of 4.4 people per square mile, it is not difficult to see that an information dissemination system for our state must take some rather unique forms. Consequently, when a request is received from a school district, our reaction (depending upon the request) is to research their problem in our resource collection, gather and synthesize the information, and then go meet them armed with selected information relevant to their needs. We have found this technique to be quite successful in that it:

a. allows for personal involvement and assistance in the LEA's problems
b. reduced the number of "unnecessary" requests
c. reduces the total amount of information they must review
d. increases the sophistication of the user in terms of formulating his search statement and limiting the scope of his search. Through personel interaction with user, he is advised of certain search procedures and techniques. Thereafter, his information requests can be satisfied by phone and mail

e. serves to further develop familiarity and rapport between the SEA and the individual LEA's

5. These consulting services have been provided to:

Elko County
White Pine County
Clark County
Washoe County
State Department

6. Conferences attended:

National RCU Conference, March 18-21, 1974
Technical Education Research Center sponsored conference on "Women in Work," January 27-29, 1974

PROJECTS AND ACTIVITIES PLANNED:

1. Publication and dissemination of the "RCU Report" (newsletter)

2. Publication and dissemination of selected research relevant to Nevada's vocational educators

3. Continuation and expansion of RCU curriculum and resource identification, acquisition, and dissemination activities

4. Monitoring of Part C and D funded projects

5. Continued consulting services to field personnel, LEA, SEA, advisory council, etc.

6. Development of a staff development program to improve or otherwise upgrade the R&D skills and R&D management expertise of Nevada's LEA and SEA staff

7. Act as a resource person in the development of a statewide plan for the implementation of career education

8. Such activities as assigned by the State Director of Vocational-Technical and Adult Education

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education
Gloria Cooper, RCU Director

PROJECTS COMPLETED:

1. Community Needs Assessment for Vocational Education in N.H., Melvin Severance, Milford, NH

2. Exploring the World of Work - Part II, Roland Desrochers, Franklin, NH

3. Follow-Up Study of Students Exited from Selected Vocational Programs in New Hampshire Secondary Schools, Willian Annis, Durham, NH at UNH

4. Grade Five Career Education Program, David Johnston, Wolfeboro, NH

5. Career Education: Field Testing the N.H. Guidelines, Robert Wilkins, Newport, NH

6. Career Concepts Urban Applications - Manchester, NH, Chris Kehas & Louis Des Ruisseaux

7. Exploring the World of Work, Robert Ross, Franklin, NH

NEW PROJECTS FUNDED:

1. Programs for Dropouts, Salem High School, Fran Tate

2. Curriculum Development Coordination for New Hampshire Secondary Vocational Education, Keene State College, Richard Gustafson

3. Task Analysis Development, Kennett High School, Conway, Ted Raymond

4. Developing, Field Testing, and Implementing a Vocational Electronic Skills Training Curricula, Nashua High School, John Cepaitis

5. Vocational Guidance and Placement Program, Lebanon High School, Robert Holt

New Hampshire

6. Performance Skills Profile, ConVal High School, Peterborough, NH, Edward Hamblin

7. Concord Career Education Project - Implementing, David Morin, Concord School District

8. A Career Education Program for the Somersworth Schools, Norm Yeaton, Somersworth School District

9. N.H. Career Education Model for Educationally Disadvantaged Adults - Technical Assistance, Project Second Start, Nancy Callahan, Concord, NH

10. Design of Four-Year Baccalaureate Program in Vocational Teacher Preparation, Keene State College, Richard Gustafson

11. LPN-ADN Transition Project, N.H. Technical Institute, Goldie Crocker

12. Multi-Media Multi-Faceted Approach to Instructing Fire Department Pump Operations, Fire Service Training, Voc-Tech Division, Concord, Barry Bush

13. Bread and Butterflies Career Exploration Program, Somersworth School District, Norman Yeaton

14. Building Trades - An Opportunity for Everyone, Exeter School District, Richard Bergeron

RESEARCH RELATED ACTIVITIES:

1. Coordinated State Plan

2. Completed Statistical, and Placement Reports for USOE

3. Completed a 1,3,5 year followup study

4. Completed a Needs Assessment Handbook for Vocational Planning

5. Wrote a funded proposal for ABE discretionary funds for "New Hampshire Career Model for Disadvantaged Adults"

New Hampshire

6. Was liaison with National Diffusion Network

7. Helped to develop a screening process for 20 Vocational Center Plan

PROJECTS AND ACTIVITIES PLANNED:

1. Will develop performance-based curricula in five program areas beginning with task analyses

2. Will develop Phase II of Needs Assessment Handbook; i.e., How to use collected date for planning and implementing

3. Will develop and implement Guidance, Counseling, and Placement function statewide

4. Will begin work on statewide student enrollment system

NEW JERSEY

Stephen Poliacik, State Director of Vocational Education
Joseph Kelly, RCU Director

PROJECTS COMPLETED:

1. Career Development for Counselors, Glassboro State College
2. Business Education Cycle-Introduction to Vocations, West Deptford
3. Model Office Project, West Deptford
4. Career Development Project, Jersey City State College
5. Career Development Survey, Edison Township
6. Career Counseling, Middlesex County College
7. Career Development Curriculum Project, Rutgers University
8. Career Development Project, South Brunswick School District
9. Career Development Project, Asbury Park
10. Immigrant Information Service Agency, Essex Co. College
11. Needs Assessment, Hudson Co. Voc.
12. Research Planning Grant, Hudson Co. Voc.
13. Research and Evaluation Training Workshops, Trenton State College
14. Career Resource Center, Edison Township
15. Orientation to the World of Work, Rutgers University, Dr. Goldstein
16. Technology for Children Study, Rutgers University, Dr. Kievit

New Jersey

17. Research Grant, Rutgers University

18. Career Development Project, Middletown Twp.

19. Career Counseling Project, Central Reg. School District

20. Career Development Articulation Project, Ocean Co. AVTS

21. Career Development Project, 20 Urban New Jersey Cities

NEW PROJECTS FUNDED:

1. Validation of a Teacher Competency Exam, Rutgers University, M.S. Fabian

2. Computer Research Seminar, Rutgers University, Dr. Schaeffer

3. Research and Computer, Somerset Co. Voc. School

4. Teacher Training Study, Sussex Co. AVTS, Dr. Bach

5. Special Needs Study, Plainfield School District

6. Effects of Technology, Camden City, Dr. Curlott

7. Leadership Research Conference, Essex Co. Voc. School

8. W.E.C.E.P. Study, North Hunterdon Reg., Mr. Coogan

9. Automated Individual Student Report and Follow-up System, Division of Voc. Ed.

10. Teacher Competency Testing, Rutgers University

11. C.I.E. Study, Rutgers University, James Pen

12. Curriculum Development, Rutgers University, Benjamin Shapiro

New Jersey

13. A Study of T&I - Teachers Attitude Toward Administrators, Teachers and Students, Rutgers University, Joseph L. Hopkins

RESEARCH RELATED ACTIVITIES:

1. Prepared Special Papers
   a. Feedback
   b. Career Education Progress
   c. Current Research

2. Conducted Workshops on Career Education

3. Conducted Workshops on Research Utilization and Dissemination Techniques

4. Provided assistance to Federally funded projects (USOE) for both Part C and D

5. Coordinated the activities of the Northeast Regional Curriculum Network

6. Assisted in the development of a County Planning and Funds Distribution Model

PROJECTS AND ACTIVITIES PLANNED:

1. Hold an Annual Statewide vocational-technical education researchers conference

2. Continue operation and expansion of occupational resource centers

3. Assist in the further development and refining of the County Planning and Funding System

4. Support the development of the New Jersey Model for Career Development

5. Continue application of State EPPBS for planning, administration and evaluation of career development activities

New Jersey

6. Continue the review and research of effective student assessment instruments pertinent to cognitive, affective and psycho-motor domains

7. Plan, initiate, and support research, planning, evaluation, curriculum, information dissemination, and innovative activities

8. Prepare additional special papers

NEW MEXICO

James B. West, State Director of Vocational Education
Roger A. Labodda, RCU Director

PROJECTS COMPLETED:

1. North Area (APS) Career Education, K-9, Nelson Lowery, Albuquerque
2. Socorro Municipal Schools Career Education Program, Gilbert Gabaldon, Socorro
3. Curriculum Development, George Amsbary, Santa Fe
4. Farm Business, Management, Calf-Raising, Espanola, Hilario Maes, Espanola

NEW PROJECTS FUNDED:

1. Implementation of Career Education in New Mexico, Jean Page, Santa Fe
2. Career Implementation Program for Small Rural School, Paul Shelford, Penasco
3. Dona Ana Branch, Career Ladder Nursing, Margaret Scarbrough, Las Cruces

RESEARCH RELATED ACTIVITIES:

1. Observed Vocational Education Week (February 10-16).
2. Wrote State Plan for Vocational Education.
3. Attended National RCU Convention, Scottsdale, Arizona.
4. Continued project monitoring activity.
5. Submitted proposal, Part F, EPDA.
6. Continued Manpower Reports.
7. Planned fifth annual vocational education conference.

New Mexico

8. Conducted three-day workshop for State Vocational Education staff.

9. Continued data retrieval for vocational information system.

10. Finalized third-party evaluator contract for Part C project.

11. Continued advisement to Part D Exemplary Advisory Committee.

12. Submitted State Plan for Vocational Education to State Advisory Committee for Vocational Education and the State Board of Education.

13. Printed Annual Report.

14. Monitored Part F, EPDA projects.

15. Submitted Part C proposal for FY 1974-75.

PROJECTS AND ACTIVITIES PLANNED:

1. Begin Part C project.

2. Renew Penasco Project (second year).

3. Attend Western Regional RCU Conference.

4. Attend Fifth Annual Vocational Education Conference.

5. Implementation of EPDA Itinerant Teacher workshops.

6. Initiate vocational followup project.

7. Part D proposals due to program development.

8. Submit quarterly reports to Dallas.

9. Print State Plan for Vocational Education.

10. Submit Annual Report to Dallas.

11. Completion forms due to program development.

12. Expansion of Vocational public relations.

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education
Louis A. Cohen, RCU Director

PROJECTS COMPLETED:

1. Travel Agency Survey

2. Summary activity report of the two R&D Centers: City University of New York Institute for Research and Development in Occupational Education and Cornell University Institute for Research and Development in Career Education.

NEW PROJECTS FUNDED: (Internal Projects)

1. A staff member developed a model for a combined occupational education related youth organization in cooperation with the Youth Leadership Unit. Model was presented to Bureau Chiefs and State Advisors.

2. Staff worked on the development of a metric system proposal in response to an RFP from Washington.

3. A staff member is writing a publication entitled The Matrix: A Simplified Approach to Occupational Objectives.

4. An Agriculture Occupational Manpower Survey is in rough copy and is being developed in cooperation with the Bureau of Agricultural Education.

5. A questionnaire regarding use of the metric system and need for inservice programs was developed and pretested. It has been mailed to BOCES and community colleges for comparison.

6. The publication Individualizing Occupational Objectives is being revised for a new edition and field testing.

7. Meetings were held with occupational directors and practical nursing coordinators to secure approval for testing of the ESCOE system.

New York

8. A staff member was involved in the development of a software package for an ESCOE Computer Delivery System.

9. A study on the New York City Industrial Arts Publishing Center effect on reading was begun. Arrangements were made to conduct the study with the NYC Bureau of Industrial Arts.

10. A staff member is doing data analysis of industrial arts teacher training.

11. Progress continued on the EPDA study. Objectives of 18 participating institutions were collected.

12. A proposal entitled Research in Educational Careers for the Handicapped--Project REACH was developed.

13. Data analysis of the Health Occupations Facilities Survey was completed.

14. A total of 17 site visits were made to career education projects throughout the State. Visits were made for evaluation purposea.

15. A staff member assisted in the writing of a proposal for a consumer homemaking institute.

16. A staff member monitored the evaluation of SPICE (Special Programs in Career Education) in New YOrk City.

17. Meetings were held with City University of New York Research and Development Center staff to discuss ongoing proposals.

RESEARCH RELATED ACTIVITIES:

1. During the past sixt months, staff members provided consultative services to the following institutions and organizations:

   a. Japanese Ministry of Education
   b. Georgia Department of Education
   c. Cooperative Education High School Program, New York City Board of Education

d. Roosevelt Public School System
e. Culinary Institute of America.

2. Staff members provided consultative services to the following New York State agencies:

a. Project Redesign
b. Department of Civil Service

3. Staff members attended the following conferences and seminars and/or made presentations to the following:

a. New York City Junior High School Principals Association
b. New York State Educational Communications Association Conference
c. Workshop for Teachers of Quantity Foods and Culinary Arts
d. Workshop for Teachers of Trade Electricity and Electronics
e. Workshop for High School Industrial Arts Faculty
f. Workshop for Teachers of Health Occupations Education
g. Fifth Annual Conference of the Council of Practical Nurse Programs of New York State
h. Council of Practical Nurse Programs, Mid-Hudson Subcouncil
i. Executive Council of Practical Nurse Programs, Curriculum Committee
j. Elementary School Publishing Activities Awards Program
k. National RCU Conference
l. Institute for Adult Home Economics Education
m. EPDA Conference
n. Career Guidance Workshop (in connection with National Alliance of Manufacturers and Industry)
o. Meeting of Association of Vocational Guidance Personnel
p. Conference on Futuring for Health Occupations
q. Presentation to SED Monitors of Career Projects on Status of Career Education in New York State
r. New Jersey State College (ESCOE speech)
s. Nassau County Community College
t. Syracuse University Research Center
u. Syracuse BOCES

New York

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of Teacher Certification Model using Licensed Practical Nursing ESCOE program.

2. Material to be developed with the Bureau of Testing in the area of performance (hands-on) tests for occupational educators.

3. In cooperation with the Bureau of Inservice Education, three packages of materials are in the planning stage to assist inservice educators develop workshops that contribute directly to classroom learner success.

4. An extensive evaluation is being planned for the Educational Communications Conference to be held in November 1974.

5. A survey of ESCOE users is being planned in order to evaluate the system.

6. The design of an evaluation scheme to evaluate student achievement when exposed to a performance objectives-based curriculum is being planned.

7. Mini Grant Followup Study.

8. Begin a study entitled The Development of a Model for the Installation of Reading Instruction in a Vocational Education Area.

9. Begin a study on the Effectiveness of an Objectives-Based Curriculum on Pupil Services.

10. Development of a paper on criteria for selecting a computer-based evaluation system.

11. Continuation of Career Education site visits.

12. Assist in planning consumer-homemaking conference for the fall.

13. Continue work with Health Occupations Teacher Competency Study.

14. Continue work with Apprenticeship Program in Trade and Technical Education.

NORTH CAROLINA

Charles J. Law, State Director of Vocational Education
Charles Rogers, RCU Director

PROJECTS COMPLETED:

1. The Dissemination of Local-Level, Long-Range Planning Systems to North Carolina Technical Institutes and Community Colleges, Department of Community Colleges, Raleigh

2. The Establishment of an Instructional Materials Dissemination Process Serving the Division of Occupational Education, State Department of Public Instruction, Raleigh

3. The Revision and Field-Testing of Materials for Implementing an Individually Scheduled Cluster Curriculum in Occupational Education, Sanford/Lee County Schools, Sanford

   The Development of an Occupational Education Model for the Primary Grades, Frank Porter Graham Child Development Center, University of North Carolina at Chapel Hill

NEW PROJECTS FUNDED:

1. Profile of Students in North Carolina Community Colleges and Technical Institutes, 1974, North Carolina State University, Raleigh

2. Student Communications and Occupations Related Experiences, Edenton/Chowan Schools

3. The Development of a Model to Expand Employment Options and Occupationsl Education Opportunities for Women in North Carolina, State Department of Public Instruction

RESEARCH RELATED ACTIVITIES:

1. Developed a new communication tool entitled SIGNAL - 2000 have been published reporting on six different projects.

2. Development of a Project Director Workbook.

3. Participated in Congressional Hearing on vocational legislation.

4. Three members participated in the National RCU Conference.

5. Three members participated in the Spring meeting of the Southwide Research Council on Occupational Education.

6. Produced 30-minute documentary film of research activities in North Carolina - shown on Statewide ETV.

7. Assisted Division of Occupational Education in procuring and reviewing individualized curriculum materials.

8. Developed research priorities for FY 1975.

9. Assisted in Statewide assessment of third-graders.

10. Assisted in the conduct of six Regional Career Education Conferences in North Carolina.

11. Participated in evaluation of North Carolina pilot optional schools.

PROJECTS AND ACTIVITIES PLANNED:

1. Develop a slide-tape presentation on the projects and activities of the Occupational Research Unit.

2. Plan and conduct an annual research dissemination conference.

3. Solicit proposals and fund five new research projects.

4. Develop and fund a project for development of individualized curriculum materials in middle grades occupational exploration.

North Carolina

5. Begin work on a project to develop and evaluate alternative teacher education arrangements.

6. Explore various rationale for use in designing a Statewide assessment of occupational education.

7. Develop a long-range plan for the occupational research unit.

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education
Donald Eshelby, RCU Director

PROJECT COMPLETED:

1. Development of Instructional Course of Commonalities for Home Economics and Office Education, Harriet Shurr

2. Phase one: Followup Stude of Office Education and Distributive Education Graduates, Roger Bloomquist

3. Inservice Training Program for Telecommunications Technicians, Dale Peterson

4. Program, Planning, Budgeting and Evaluation System, Harold Gulbrondson

5. A Developmental Project for PreSchool Through Adult in Career Education for North Dakota (Third Year), Harry Weisenberger

6. A Developmental Project for PreSchool through Adult In Career Education for North Dakota (Second Year)

7. Student Identification and Determination of Factors that Influence Sound Career Selection and Achievement Decisions (Second Year), Lyle Sorum

8. Dickinson Diversified Occupational Program for Area Schools, Ted Renner

9. Student Identification and Determination of Factors that Influence Sound Career Selection and Achievement Decisions, Lyle Sorum

10. West Fargo Career Education, Laurel Thoreson

11. Dickinson Diversified Occupational Program for Area Schools, Ted Renner

12. A Project to Provide Career Education Services to Special Need Students, Jim Horton

North Dakota

13. Establishment of a Multi-district Vocational Education Center (Minn-Dak Vocational Center), Tony Kochenash

NEW PROJECTS FUNDED:

1. Development of Learning Activity Packages in Agribusiness, Wayne Berry

2. Industry Evaluation of Junior College Vocational Education Programs, James Wright

3. Model Store Curriculum - A Developmental Model for North Dakota Schools, Todd Goschen

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

OHIO

Byrl R. Shoemaker, State Director of Vocational Education
R.D. Balthaser, RCU Director

PROJECTS COMPLETED:

1. Career Development, Akron City Schools
2. Career Development, Benton-Carroll-Salem Local Schools
3. Career Development, Canton City Schools
4. Career Development, Cincinnati City Schools
5. Career Development, Clear Fork Valley Local
6. Career Development, Cleveland City Schools
7. Career Development, Columbus City Schools
8. Career Development, Dayton City Schools
9. Career Development, E. Muskingum Local Schools
10. Career Development, Geneva Area City Schools
11. Career Development, Kirtland Local Schools
12. Career Development, Lorain City Schools
13. Career Development, Mad River-Green Local Schools
14. Career Development, Mansfield City Schools
15. Career Development, Minford Local Schools
16. Career Development, Orrville City Schools
17. Career Development, Parma City Schools
18. Career Development, Princeton City Schools
19. Career Development, South-Western City Schools
20. Career Development, Springfield City Schools

Ohio

21. Career Development, Toledo City Schools

22. Career Development, Warren City Schools

23. Career Development, Willoughby-Eastlake City Schools

24. Career Development, Youngstown City Schools

25. Agriculture Teacher Competency Survey, Ohio State University

26. Pre-Postsecondary Program Evaluation, Kent State University

27. Commissioner D Career Development Process Evaluation, Susan Wong Assoc., NYC

28. Development of Pre-Postsecondary Education Program in Health Occupations, and others for High School Students in Grades 11 and 12, Springfield-Clark County JVSD

29. Development of Pre-Postsecondary Education Program in Engineering and Health Occupations for High School Students in Grades 11 and 12, Akron City Schools

30. Development of Pre-Postsecondary Education Program in Health Occupations for High School Students in Grades 11 and 12, Penta County JVSD, Perrysburg

31. Development of Pre-Postsecondary Education Program in Business, Health, Engineering, and Social Science Occupations for High School Students in Grades 11 and 12, Great Oaks JVSD, Hamilton County area

32. Development of Vocational Education Curricula Especially Adapted to Continual Adult Penal Education Programs, Ohio Department of Corrections

33. To Plan for Cable Television as a Means for Career Education (Probably inoperative), Dayton City Schools (consortium)

Ohio

34. Assessment of the Performance Capabilities of Graduates of Vocational Agriculture, Ohio State University

NEW PROJECTS FUNDED:

RESEARCH RELATED ACTIVITIES:

1. Commissioner I Transportation Curriculum Project, Ohio Department of Education

2. Automation of Accounting System for Interface with Reporting System - Phase II (Moving to immediate retrieval), Ohio Department of Education

3. Program Review for the Improvement, Development and Expansion of Vocational Education and Guidance (PRIDE) - 5th year completion of cycle with 21 Vocational Education Planning Districts including continued cost analysis, Ohio Department of Education

4. Converting statistical and fiscal system to "real" time operation for management activities of staff including:
   Linked EPDA project to develop labor market forecasting system,
   MBO forecasting system based on LEA training and reporting,
   Ohio Department of Education

5. Research Coordination Unit-continuation, Ohio Department of Education

PROJECTS AND ACTIVITIES PLANNED:

1. Career Development Program, Akron City Schools

2. Career Development Program, Benton-Carroll-Salem Local Schools

3. Career Development Program, Boardman Local Schools

Ohio

4. Career Development Program, Canton City Schools
5. Career Development Program, Carlisle Local Schools
6. Career Development Program, Cincinnati City Schools
7. Career Development Program, Clear Fork Valley Local Schools
8. Career Development Program, Cleveland City Schools
9. Career Development Program, Cleveland Heights-University Heights City Schools
10. Career Development Program, Columbus City Schools
11. Career Development Program, Dayton City Schools
12. Career Development Program, E. Muskingum Local Schools
13. Career Development Program, Geneva Area City Schools
14. Career Development Program, Kirtland Local Schools
15. Career Development Program, Lorain City Schools
16. Career Development Program, Mad River-Green Local Schools
17. Career Development Program, Mansfield City Schools
18. Career Development Program, Medina City Schools
19. Career Development Program, Minford Local Schools
20. Career Development Program, Orrville City Schools
21. Career Development Program, Parma City Schools
22. Career Development Program, Princeton City Schools
23. Career Development Program, Scioto-Darby City Schools

Ohio

24. Career Development Program, South-Western City Schools

25. Career Development Program, Springfield City Schools

26. Career Development Program, Stow City Schools

27. Career Development Program, Toledo City Schools

28. Career Development Program, Warren City Schools

29. Career Development Program, Willoughby-Eastlake City Schools

30. Career Development Program, Youngstown City Schools

31. Continuation of Pre-Postsecondary Education Program in Engineering and Health Occupations for High School Students in Grades 11 and 12, Akron City Schools

32. Continuation of Pre-Postsecondary Education Program in Health Occupations for High School Students in Grades 11 and 12, Penta County JVSD, Perrysburg

33. Continuation of Pre-Postsecondary Education Program in Business, Engineering, Health and Social Science Occupations for High School Students in Grades 11 and 12, Great Oaks JVSD

34. Researching and Developing a Program for High School Students in a Small Academic High School with Limited Vocational Diversification, Wyoming City Schools

35. Developing a Model Regional Vocational Education Planning Unit for Southwestern Ohio, Greene County JVSD

36. Conducting the Feasibility of a 5-Year Follow-up Study Utilizing IRS Information

37. 9-10th Grade Career Exploration Scheduling

Ohio

38. Home Economics (Part F) Follow-up Study

39. Design of a Data System for Vocational Education Economic Bases, Ohio University

40. Follow-up on Youth Leadership Development Workshop, Camp Muskingum

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education
William D. Frazier, RCU Director

PROJECTS COMPLETED:

1. Occupational Training Information System, Cycle VI, In-house

2. A Historical and Current Follow-up Study of Oklahoma Vocational-Technical Graduates, In-house

3. A Counselor Oriented Report of General Aptitude Test Battery Data, In-house

4. An Evaluation of 20% of Oklahoma's Secondary Vocational Programs, In-house

NEW PROJECTS FUNDED:

1. An Analysis of the Use of "Expressions." (This is a study of the State Department Newsletter), In-house

2. A Survey of Attrition Factors of Vocational Teachers, In-house

3. The Comparative Efficacy of Selected Manpower Demand Projection Techniques on Diversified Populations (Part C 131(a) project funded to the RCU), In-house

RESEARCH RELATED ACTIVITIES:

1. National MBO Project to initiate MBO system in 15 State Departments

2. Evaluated mobile guidance units in five counties and evaluated vocational programs in 60 public schools

3. Completed data collection of Ohio State University Task Analysis for Auto Mechanics, Computer Programmers, and General Secretary

4. Conducted 3 National MBO workshops in Oklahoma City; initiated MBO for a State college, a municipal government, and several high school administrative offices

5. Developed the FY 75 Oklahoma State Plan

6. Hosted representatives from USOE in review of State Department activities; California EPDA representative for overview of EPDA 552 & 553 programs; and delegations from Tennessee and Ohio for overview of MIS information system

7. Initiated use of SAS (Statistical Analysis System) programs for statistical analysis of research data by computer processes

PROJECTS AND ACTIVITIES PLANNED:

1. The following projects will be completed:
   A Proposal for the Initiation and Implementation of a Management by Objectives System in Selected States' Departments of Vocational-Technical Education (EPDA funded. Phase II will be initiated to add 12 more States.)

   A Parallel Follow-up Study to Establish Validity of the Follow-up Component of Oklahoma's Student Accounting System

   An Analysis of the Use of "Expressions"

   A Study of the Needs of Oklahoma Citizens for Information about Vocational-Technical Education

   A Survey of Attrition Factors of Vocational Teachers

   A Study to Identify Success Factors of Skill Training at Oauchita and Lexington Inmate Training Centers

2. The following in-house projects will be active:
   Occupational Training Information System, Cycle VII

   The Comparative Efficacy of Selected Manpower Demand Projection Techniques on Diversified Populations

   Development of an Evaluation Design for Vocational Curriculum Guides

Oklahoma

A Dropout Restoration Project

Research on the Evaluation of Oklahoma Vocational Programs

Development of an Accounting System for the RCU Based on Projects

OREGON

Leonard Kunzman, State Director of Vocational Education
Dave Fretwell, RCU Director

PROJECTS COMPLETED:

1. Integrated approach to Junior High School Career Education, Cal Young Junior High, Eugene
2. Exemplary Career Exploratory Program, Sherwood School District
3. Self-Learning Approach to Career Education in Teacher Preparation Programs, Oregon State University
4. Educational Career Awareness Program (Career Caravan), Central Point School District
5. Continuing Project in Career Awareness, Grades K-6, Union County IED
6. Integrated SUTOE Program, Oregon City School District
7. Health Career Exploration, Portland School District
8. Total Career Education Program, Pleasant Hill School District
9. Interdisciplinary Basic and Career Education Program, Vocational Village, Portland
10. Meeting Individual Needs in Clusters, Klamath Union High School
11. Systems Approach to Learning in Occupational Education, Clackamas
12. Consortium for Implementing an Industrial Arts Career Development Program, Oregon State University
13. Elementary Career Awareness, Eugene
14. Community-Based Career Exploration Program, Vale
15. Materials Development for Career Awareness, Linn-Benton

Oregon

16. Local Production of Relevant Awareness Media, Central
17. Proposal Planning Grant, Portland
18. Proposal Planning Grant, Clackamas
19. Proposal Planning Grant, Grants Pass

NEW PROJECTS FUNDED:

1. Project MUSIC - Career Exploration, Beaverton
2. Career Guidance and Counseling, Bend

RESEARCH RELATED ACTIVITIES:

1. Completion of Statewide followup of vocational high school students.
2. Initial development begun on a "Oregon Career Education Dissemination System."
3. "Career Program Planning System" became operational.
4. Planning continued for implementation of Statewide community college followup.

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of Statewide community college student followup system.
2. Funding of new 1975 fiscal year project - tentative selection complete pending award of Federal funds.
3. Ongoing development of Manpower/Curriculum Management System with use of Commissioners Part C funds beginning July 1, 1974.

PENNSYLVANIA

John W. Struck, State Director of Vocational Education
Carroll A. Curtis, RCU Director

PROJECTS COMPLETED:

1. School-Based Job Placement Service Model: Phase II, Pilot Implementation, Charles H. Matters, Reading-Muhlenberg AVTS

2. Research Study for County Wide Centralized Cooperative Education, William R. Silkman, Erie County AVTS

3. School-Based Job Placement Service Model, Robert H. Kifer, Greater Johnstown AVTS

4. Development of Individual Instructional Packages - Dental Technology, Merrill I. Hughes, Delaware County I. U. 25

5. Job Placement Model, Robert E. Eckrote, Columbia-Montour AVTS

6. A Comparison of Academic Achievement in Full-Time and Part-Time Area Vocational-Technical High Schools, Donald B. Zucco, Greater Johnstown AVTS

7. Development of Individual Instructional Packages - Machine Tool (Engine Rebuilding), Merrill I. Hughes, Delaware County I.U. 25

8. Development of Individual Instructional Packages - Materials Handling, Merrill I. Hughes, Delaware County I.U. 25

9. An Investigation of the Status of Selected Students of 1969-1973 Graduating Classes of Riverside High School, Taylor, Pennsylvania, June Willis, Riverside School District

10. A Comparative Analysis of Distributive Education Programs, Donald R. Lamuth, University of Pittsburgh

11. VEMIS Backup Facility and Transfer of Functions: Phase I, Pilot Implementation, L. Loyd Ruoss

Pennsylvania

12. Proposal Preparatory to Nursing and Auxilliary Nursing Articulation Program Study, John Bacon

13. Guidelines for the Establishment and Evaluation of Career Resource Centers in Pennsylvania, C. Robert Zimmerman

14. Career Development Guide Field Testing, Carl W. Pepperman

15. Doctoral Disertation of Norton Garfinkel, James O. Tule

16. Exemplary Career Resource Center for Grades 6-9 in Pennsylvania, Shari Rogers

17. Vocational Facilities Microfile System: Design and Implementation, Joseph F. Blake

18. Exemplary Career Resource Center for Grades 6 through 9 in Pennsylvania, Harry Scott, Jr.

19. Career Resource Center, Francis A. Voyten

20. Exemplary Career Resource Center, Kenneth W. Hoover

21. Exemplary Career Resource Center for Grades 6-9 in Pennsylvania, Kenneth R. Nusser

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES:

1. Career Resource Center Implementation and Evaluation.

2. PENNscripts - Evaluative questionnaires were developed and piloted for the forthcoming comprehensive evaluation of PENNscripts. The evaluation will involve approximately 25,000 students across Pennsylvania in order to assess the effectiveness of the career information dissemination system. An appropriate sample of teachers and guidance counselors will also be surveyed.

3. A study to evaluate the first year vocational education projects in the eight State correctional institutions of Pennsylvania. The sample was comprised of 423 male and female prereleased offenders and 59 instructors. Survey data indicated that many of the offenders were enrolled in programs not related to career plans and high number said no one is helping them secure employment. Almost all the offenders enjoy their course work and have positive views about the importance of vocational courses to future jobs. Most instructors rate the quality of their programs as average.

4. Manpower Research Activities - The primary goal is to improve the manpower research and information efforts as they relate to occupational education planning and decisionmaking. Activities designed to achieve this goal include continuous and terminal type tasks.

   One activity focused on the development of occupational employment projects based upon the 1960 and 1970 census data. This effort has resulted in the development of a computer-based system for making occupational projections: to date, a set of interim employment projections by occupation by industry for the State and labor market areas within the State for the years 1975 through 1990 by five-year intervals; also, information describing the annual average growth by occupation and annual withdrawal (due to death, disability, retirement and women leaving and reentering the labor force). The following publications have resulted:

   - Historical Estimates, 1960-1970, of Occupational Employment for the State, SMSA's and Balance of State
   - Interim Report of Employment by Occupation for the State, SMSA's and Balance of State for 1975, 1980, 1985, 1990
   - Annual Occupational Withdrawal for Pennsylvania for Pennsylvania and Major Labor Market Areas

Another task involved the continuation and improvement of methods for documenting occupational graduate supply from formalized vocational education agencies. Information in the form of tables detailed the distribution of graduates by occupation by school and by geographic area.

A major task involving continuous efforts is the computerization of the manpower supply/demand model. During the past year, computer programs were transferred to the Department of Education computer facility. This will facilitate the handling of large quantities of data for analyses and will result in data reports to support program planning and decisionmaking.

Consideration was given to the development of strategies and procedures for working with users of supply/demand data and related information. Efforts were directed at definition of the use of these data for educational planning and programming. One activity was the sponsoring of a symposium on manpower research. The target audience included State Government personnel and postsecondary education people. As a followup to this symposium, a publication detailing the proceedings was produced and distributed to individuals concerned about manpower research as it relates to educational planning, programming and policymaking.

PROJECTS AND ACTIVITIES PLANNED:

1. Conduct the evaluation of PENNscripts.

2. Complete and forward to USOE the Second Annual Report of the Discretionary Part C career education projects.

3. Assist local educational agencies to implement approved research and emplary projects funded directly from USOE.

4. Assist local educational agencies to implement a model occupational placement service.

5. Participate in the evaluation of Pennsylvania's pilot distributive education curriculum project (LAPS).

6. Continue manpower activities.

RHODE ISLAND

Peter Bowen, State Director of Vocational Education
Jacqueline Nelson-Harrington, RCU Director

PROJECTS COMPLETED:

1. Vocational Education Gore Group, State Department of Education
2. MIS (Management Information Systems), State Department of Education, Donald Galamaga
3. Career Awareness in North Scituate (CANS),
4. What Can You Be?, North Smithfield, Paul Joyce
5. Project Environment, North Smithfield, Paul Joyce
6. Protective Services Careers, Providence, Charles Bernardo
7. Opening Doors to Awareness, Lincoln
8. Career Concepts Awareness Program, Cumberland

NEW PROJECTS FUNDED:

1. ICE (Investigating Career Education), Providence, Charles Bernardo
2. Management Information Systems (MIS), State Department of Education, Donald Galamaga
3. Career Orientation Education (COE) Mt. Pleasant, Providence, Charles Bernardo
4. A Developmental Program for preparing all students for the World of Work, Cranston
5. Career Education for 8th Graders, Warwick
6. Career Orientation Education (COE) Flynn, Providence
7. Career Education Program, East Providence

8. Opening Doors to Awareness, Lincoln
9. COE, Providence, Charles Bernardo
10. Career Awareness Partnership, Cranston
11. A Developmental Program for Preparing All Students for the World of Work, Cranston
12. Career Awareness Project, East Greenwich
13. OEOE (Occupational Exploration, Orientation, and Exposure), Warwick
14. Career Education Program, East Providence
15. Bradley Pre-Vocational Program, Bradley Hospital
16. Career Concepts Awareness, Cumberland
17. Industrial Based Career Education, World of Construction and Manufacturing, Providence
18. Career Awareness Project II (CAP II), East Greenwich
19. Career Awareness in North Scituate (CANS), Scituate

RESEARCH RELATED ACTIVITIES:

1. The Research Unit at the Department of Education is developing a Vocational Education module of a Management Information System (MIS) designed to collect, process, and disseminate information about Vocational Education to enhance decisionmaking in this area at State and local levels, for the purposes of program control, program management, and planning.
2. The Vocational Office is also supporting the Diocese of Providence in their efforts to develop and pilot career education program for system-wide use among non-public schools, grades 7-12.

Rhode Island

PROJECTS AND ACTIVITIES PLANNED:

1. The Vocational Office plans to continue support of the development of the MIS and to expand Career Education efforts including non-public as well as public endeavors.

SOUTH CAROLINA

L. L. Lewis, State Director of Vocational Education
Gregory Morrison, RCU Director

PROJECTS COMPLETED:

1. Development of an "Orientation to Career Education" package, containing programmed materials for teacher/administrators, with a videotape presentation and an ideas booklet suggesting a variety of classroom activities.

2. Initiation of Phase II of the Career Cluster Analysis Planning Project to establish a model for the articulation of Vocational and Technical Education training programs, based on behavioral objectives. This phase was concerned with the development and sequential organization of the behavioral objectives and the preparation of the Phase III project plan.

NEW PROJECTS FUNDED:

1. Phase III of the Career Cluster Analysis Planning Project, which involves the adaptation of available self-paced curriculum materials and the development of additional materials to produce individualized, self-paced curriculum in the areas of Machine Shop and Heating, Air-Conditioning and Refrigeration.

RESEARCH RELATED ACTIVITIES:

1. Reproduction of self-instructional Graphic Communications materials for distribution.

2. The expansion of Project VIEW into the remaining non-participating area vocational centers, high schools and junior high schools.

PROJECTS AND ACTIVITIES PLANNED:

1. A series of inservice workshops for teachers/administrators, as an orientation to Career Education, utilizing the orientation package.

2. Develop an instrument to evaluate the VIEW program delivery system in the participating schools.

3. Plans are being devised to implement a vocational research information system.

4. Career Cluster Phase III Project curriculum materials will be developed and implemented for field testing in the vocational and technical centers in the six county Appalachian region of the State.

5. The VIEW project will expand the number of occupations in the deck to 300. Plans have been made to conduct an extensive publicity campaign, utilizing various forms of media.

6. Workshops have been planned for the guidance counselors, principals and superintendents in the fall, for the purpose of discussing innovative approaches for implementing VIEW programs and identifying remedies for problems encountered.

7. A Graphic Communications Teacher Training Workshop will be conducted to assist instructors in developing plans and strategies necessary for effective implementation and administration of the new curriculum materials.

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education
E. B. Oleson, RCU Director

PROJECTS COMPLETED:

1. Occupational data for Table I and demographic data for Table II of South Dakota State Plan for FY 1975, University of South Dakota, Vermillion

NEW PROJECTS FUNDED:

1. Agreement for cooperative investigation, University of South Dakota, Vermillion

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of previous agreement and preparing documentation data for Part II of State Plan.

TENNESSEE

W. M. Harrison, State Director of Vocational Education
Garry Bice, RCU Director

PROJECTS COMPLETED:

1. A Study of Student Satisfaction with Vocational-Technical Education Programs in Tennessee, Tennessee Advisory Council on Vocational Education

2. The Impact of the Vocational Education Amendments of 1968 on Vocational Education in Tennessee, Tennessee State Advisory Council on Vocational Education

3. Survey of Public and Private Postsecondary Schools, National Center for Education Statistics

4. Relationship Between Vocational Office Education Training in Sumner County and Employment Obtained After High School Graduation, Sumner County Schools

5. Developing Curriculum Materials in Health Education Careers for Partially Sighted Students, McGavock High School, Davidson County

6. An Emphasis on Student Vocational Education and a Study of Community Vocational Opportunities, Decatur County Schools

7. Developing Job Sheets and Related Aids for Individualized Instruction in Machine Shop, Rutherford County

8. Career Guidance Services and Placement, McNairy Central High School, McNairy County

9. A Followup of Green Brier High School Graduates for the Part Four Years and Survey of Their Places of Employment, Robertson County Board of Education

Tennessee

NEW PROJECTS FUNDED:

1. The Development of a Framework for Curriculum and Professional Personnel Development for Comprehensive Vocational-Technical Education in the State of Tennessee, Tennessee State Department of Education

2. Individualized Instruction: A Project Utilizing Interdisciplinary Learning Packets Correlating Career Education and High School English in the Secondary Schools of Clay County

3. Development of Transportable Instructional Materials on Careers for Robertson County Schools

4. Pre-Vocational/Career Guidance Grades 7-8, Gibson County

5. A Survey of Surgical Techniques of Selected Small Animal Hospitals in Tennessee and Colleges of Veterinary Medicine for the Purpose of Developing Curriculum Materials, Maury County

6. Development of an Office Model Simulation Guide, Memphis State University, Memphis

7. A Study of Tourism Careers Available to Tennessee Students, Memphis State University, Memphis

8. Followup on Secretarial Science Graduates of Jackson State Community College, Jackson, Tennessee from 1970 to 1973, Madison County

RESEARCH RELATED ACTIVITIES:

1. Product Utilization.

2. Tennessee Management Information System.

3. Occupational Information System.

4. Information Retrieval and Dissemination System.

Tennessee

PROJECTS AND ACTIVITIES PLANNED:

1. Information Retrieval and Dissemination System: A SDI subsystem for administrators, designed to serve State staff.

2. Product Utilization: Revise five instructional packets and develop two additional ones for use in workshops across the State.

3. Occupational Information System: Update and add to primary, elementary and secondary INFOE, and develop and pilot test junior high INFOE.

4. Management Information System: Add to manpower supply component, the supply from private schools and returning military personnel.

TEXAS

John R. Guemple, State Director of Vocational Education
Ray Barber, RCU Director

PROJECTS COMPLETED:

1. An Analysis of Student Followup Data for Administrative Decisionmaking, Bryan ISD, Bryan

2. Cooperative Education for American Indians in Dallas County, Dallas County Community College District, Dallas

3. College Curriculum for Correctional Instructional Personnel, Educational Personnel Development Consortium C, Houston

4. Search for Common and Unique Competencies Needed by Vocational Supervisors and Administrators, Educational Personnel Development Consortium D, Richardson

5. Search for Common and Unique Competencies Needed by Vocational Technical Guidance Personnel and Development of Performance-Based Training Modules, Education Service Center, Region 10, Richardson

6. Analysis of Employee Supply and Demand in Howard County - A Pilot Approach, Howard County Junior College, Big Spring

7. Development of a Community Career Counseling and Information Program, McLennan Community College, Waco

8. A Pilot Program in Residential Construction and Technology, Paris Junior College, Paris

9. Identification of Adult Vocational Education Needs, Paris Junior College, Paris

10. Analysis of the Effects of the Change in the Basis of Funding Apprenticeship Related Instruction in the Public Schools, Texas A&M University College Station

11. High School Career Interest and Information Survey, Phase III, Texas State Technical Institute, Waco

Texas

12. An Assessment of Remedial Programs for Vocational Technical Students in Selected Postsecondary Institutions, The University of Texas, Austin

13. Vocational Followup Study, Windham School District, Huntsville

NEW PROJECTS FUNDED:

1. College Curriculum for Correctional Instructional Personnel, Educational Personnel Development Consortium C, Houston

2. Analysis of Effects of the Change in the Basis of Funding Apprenticeship-Related Instruction in Public Schools, Texas A&M University, College Station

3. Statewide Survey of Current and Future Employment Levels of Licensed Dental Hygenists, Texas State Technical Institute, Waco

4. Development of Instructional Module, "Health Care Organizations, Facilities, and Personnel", Texas Woman's University, Denton

RESEARCH RELATED ACTIVITIES:

1. Ten research proposals were reviewed and evaluated during the six month period. Four projects were approved for funding. Eighteen projects initiated prior to January 1, 1974, were continued. Thirteen projects were completed.

2. Members of the staff continued to participate in the coordination of exemplary projects funded under Part D, Public Law 90-576, and the development and coordination of pilot-demonstration projects in occupational education for handicapped students funded under Section 122(c)(3).

3. Members of the staff continued to participate in the activities of a special interagency task force to develop and implement a comprehensive manpower supply/demand data system for the State of Texas.

4. Members of the staff participated in the development, organization, coordination, review, publication, presentation, and dissemination of the Texas State Plan for Vocational Education for Fiscal Year 1975.

5. Members of the staff continued to participate in a special project to computerize the statistics and financial inputs required for the preparation of the Annual Report for Vocational Education.

6. Members of the staff organized and participated in a research dissemination conference in Arlington

7. The staff participated in a wide variety of activities related to research and development in occupational education and other components of career education.

PROJECTS AND ACTIVITIES PLANNED:

1. Nine previously described projects will be continued during the next six-month period. Three new projects have been approved for initiation during the six-month period. Approval of approximately fifteen additional new projects is anticipated.

2. Emphasis will continue to be placed on curriculum development projects, manpower needs and development studies, evaluation projects, and followup and placement studies. Continued emphasis will be placed on the role of occupational education as an integral part of the total career education process.

3. Continued emphasis will be placed on the initiation of exemplary projects focused on career awareness, investigation, and exploration.

4. Development and initiation of pilot-demonstration projects in occupational education for the handicapped will be continued.

5. The Annual Report for Vocational Education for Fiscal Year 1974 will be completed and forwarded to the USOE.

6. The staff will continue to participate in a wide variety of activities related to research and development in occupational education and other components of career education.

7. The division's library facilities will continue to be improved. Continued progress will be made in the development of improved dissemination procedures.

UTAH

Walter Ulrich, State Director of Vocational Education
N. Craig Kennington, RCU Director

PROJECTS COMPLETED:

1. Study of Vocational Education Advisory Committees, State Department of Education

2. Sevier Valley Job Market Survey, Dewain Washburn, Sevier Valley Tech

3. Uintah Basin Job Market Survey, Marlin Johnson, Uintah Basin Vocational Center

4. Workshop for Planning Career Education Program, Sevier School District

5. Study of Coal Mining Occupations and Training Needs, College of Eastern Utah

6. Study of the Leadership Service and Control Function of the Utah State Board for Vocational Education Staff, State Department of Education

7. Evaluation of a Training Program for Teachers Implementing Career Education, Utah State University

NEW PROJECTS FUNDED:

1. Chamber of Commerce, Work Observation Program, Local school districts of Salt Lake City, Davis, Granite, Jordan, and Murray

2. A Study of the Incremental Learning Units Developed for Use in Distributive Education, State Department of Education

3. Development and Field Testing of the Instrumentation for Evaluating Secondary and Postsecondary Vocational-Technical Education Programs in Utah, State Department of Education

Utah

RESEARCH RELATED ACTIVITIES:

1. Administration, evaluation, consultation, State funded, "Career Development (Dropout Prevention) Program"..

2. Attendance, American Education Research Association meetings, Chicago, April 15-19, 1974.

3. Attendance, Regional Interstate Planning Project, "Workshop on Affective Measurement," Las Vegas, May 13-15, 1974.

PROJECTS AND ACTIVITIES PLANNED:

1. A study to determine the validity of the present weighting factors in Part B of the school finance formula for vocational education.

2. A study to determine the extent to which vocational certificates, Associate of Applied Science degrees and Associate of Science degrees enhance the employability of job seekers.

3. Develop and implement survey procedures that will yield accurate job demand information.

4. A study to determine criterion referenced instruction approach to teacher education.

5. A study to determine career education and implications for business education programs at the junior high school level.

6. Assess educational needs and occupational opportunities available to youth and adults in agriculture in Utah

VERMONT

Arthur W. Ericson, State Director of Vocational Education
Joseph P. Kisko, RCU Director

PROJECTS COMPLETED:

1. Identifying a Non-Verbal Aptitude Measure for Use in Counseling Secondary Level Mentally Retarded Pupils, William Halloran, State Department of Education, Montpelier

2. Postsecondary Followup Study, S. F. Hochschild, Secondary Access Study, Montpelier

NEW PROJECTS FUNDED:

1. Postsecondary Followup Study, S. F. Hochschild, Secondary Access Study, Montpelier

2. Review and Analyze Enrollment Trends at the Barre City Regional Vocational Technical Center, Thomas Sandham, New England Resource Center for Occupational Education, Cambridge

3. Development of Consumer Education Curriculum Guide, Elizabeth P. Carr, State Department of Education

4. Instructional System Development Model for Vermont Area Vocational Centers, John Faust, New England Resource Center for Occupational Education, Cambridge

RESEARCH RELATED ACTIVITIES:

1. Development of Consumer Education Curriculum Guide.

2. Instructional System Development Model for Vermont Vocational Centers.

PROJECTS AND ACTIVITIES PLANNED:

1. Complete other research projects. Request new proposals. Read research proposals and make recommendations for approval, change or disapproval.

VIRGINIA

George S. Orr, Jr., State Director of Vocational Education
Lloyd M. Jewell, Jr., RCU Director

PROJECTS COMPLETED:

1. A Central Machines Laboratory Serving Two Block-time Programs and Incorporating Flexible Scheduling with Independent Study, Manor High School, Portsmouth

2. A Student-Built House Project, Fairfax County Schools

3. Development of a Plan for the Design, Field Testing, and Implementation of a Curriculum for a Course Tentatively Entitled "Introductions to Vocations" or "Vocational Orientation" for the Schools of Virginia, Virginia Polytechnic Institute and State University, Blacksburg

4. An Evaluation System for Vocational Education in Virginia, Virginia Polytechnic Institute and State University, Blacksburg

NEW PROJECTS FUNDED:

1. Development of a Plan for the Design, Field Testing, and Implementation of a Curriculum for a Course Tentatively Entitled "Introductions to Vocations" or "Vocational Orientation" for the Schools of Virginia", Virginia Polytechnic Institute and State University, Blacksburg

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED:

1. To fund 14 mini-grant projects to local school divisions and other educational institutions.

2. To fund a career education project for the Delmarva area in cooperation with Maryland and Delaware.

3. To fund a project for the development and implementation of career education in Virginia's public schools.

4. To fund a project for developing a curriculum for a course in "Introductions to Vocations"

5. To continue the development of the career education projects at Radford and Petersburg with the use of State funds.

6. To fund three additional Student Job Placement projects.

WASHINGTON

Arthur A. Binnie, State Director of Vocational Education
George P. Pilant, RCU Director

PROJECTS COMPLETED:

1. CCOE Participation in the Pacific Northwest Educational Research and Evaluation Conference, Washington Educational Research Association

2. Walla Walla Area Vocational Needs Assessment, Walla Walla School District

3. A Cost-Benefit Analysis of Vocational Education in an Area Vocational-Technical Institute, Renton School District

4. Project EVA Dissemination Packet, Highline School District

5. To Develop an Individualized Instructional Package on the Basics of the Metric System, Renton Schools

6. Educational Needs Assessment of Eastern Lewis County

NEW PROJECTS FUNDED:

1. Highline Public Schools Placement Service Training Model

2. Inter/Institutional Cooperation in Parent Education, Longview School District

3. Marine Clusters and Vocational Education Opportunities, Peninsula School District

4. A Study to Determine an Acceptable Teaching Load in Vocational Agriculture, Washington State University

5. Small Schools Alternative in Vocational Education, Tri-District Coop Mossyrock

6. Articulation of Secondary to Postsecondary Vocational Education Programs, Central Washington State College

7. National Instructional Television "Bread and Butterflies", State Department of Education

RESEARCH RELATED ACTIVITIES:

1. RCU Director is a member of the advisory committee to the six-State curriculum center. A State advisory committee has been created to provide a link between the curriculum center and the vocational educators of the State. Meetings will be held quarterly. The other States in the consortium are being encouraged to create Statewide committees also.

2. An investigation is being made into the advisability of reinstituting a Statewide followup system. A recent project resulted in the development of a new format and delivery system for followup.

3. The RCU Director is Western States' representative to the National RCU organization, and is President of the Washington Education Research Association for the coming year.

4. Dissemination activities have included Statewide distribution of research project results, newsletter articles promoting use of the ERIC system and microfilm equipment, development of bibliographies and automated ERIC searches for inservice training groups, workshops and seminars, and the distribution of microfiche, at no cost to vocational teachers in the State. A pilot selective dissemination of information (SDI) distribution was initiated with the Home and Family Life Service Area. Computer searches are provided free of charge to all vocational educators in the State.

PROJECTS AND ACTIVITIES PLANNED:

1. A project to evaluate a number of vocational education delivery systems for small schools will be continued with emphasis on testing.

2. An articulation plan (secondary to postsecondary) may be piloted in a number of LEA's.

3. Plans are being made to compare several vocational education delivery systems including Coop, DO, CRT, and traditional approaches.

4. Expanded SDI activities are planned for next year. Computerized searches will be continued and on-line service is being investigated.

WEST VIRGINIA

Clarence E. Burdette, State Director of Vocational Education
Glenn E. Smith, RCU Director

PROJECTS COMPLETED:

1. The Systems Approach: An Emerging Behavioral Model for Guidance - Operation Guidance II, Kanawha County Board of Education, Charleston

NEW PROJECTS FUNDED:

1. Child Development Curriculum, West Virginia University, Morgantown

2. The Development of a Master Plan for the Financial Support of Vocational Education Programs in West Virginia, The Center for Vocational and Technical Education, The Ohio State University, Columbus, Ohio

RESEARCH RELATED ACTIVITIES:

1. Provided consultative services to local educational agencies.

2. Conducted manual and computer searches for ERIC system users.

3. Provided microfiche and hard copy items for users, upon request.

4. Assisted with further development of the West Virginia vocational education management information system.

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of Research Coordinating Unit information services including ERIC microfiche, hard copy and computer searches for users.

2. Monitoring of Part C projects.

3. Continue assisting with development and operation of the West Virginia Vocational Education Management Information System.

4. Conduct of inhouse research related activities as assigned by the Assistant State Superintendent of Schools.

5. Initiate a project to determine factors inhibiting student enrollment in vocational programs.

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. Evaluation of Associate Degree Secretarial Science, UW-Whitewater
2. Articulation of Secondary/Post-Secondary Food Service Program, VTAE-Fennimore
3. Articulation of General Education/Occupational Competencies, VTAE-Fennimore
4. Career Decision Project II, VTAE-Fennimore
5. Student/Teacher Attitudes Toward Individualized Instruction, VTAE-Fennimore
6. Conceptual Framework for Conducting Cost-Benefit Studies, VTAE-Fennimore
7. Descriptive Cost-Benefit Study, VTAE-Fennimore
8. Update of District Professional Development Plan, VTAE-Pewaukee
9. Facilities Utilization Study, VTAE-Pewaukee
10. Food Service Survey, VTAE-Pewaukee
11. 1974 District Plan, VTAE-Pewaukee
12. Math Grades as a Withdrawal Factor form Mech. Design, VTAE-Green Bay
13. Feasibility of Health Related Occupations Curricula, VTAE-Rhinelander
14. Administrative Leadership Conference, CSVTE-UW-Madison
15. Telephone Career Information Service, VTAE-Kenosha
16. Pedagogy for Part-Time Call Staff, UW-South, Menomonie

Wisconsin

17. Leadership Conference for T&I Supervisors, UW-Stout, Menomonie

18. Handbook for Evaluation of School-Based Career Education, UW-Stout, Menomonie

19. Teacher/Industry Exchange, UW-Stout, Menomonie

20. Learning Styles, UW-Stout, Menomonie

21. Industrial Education Guide, UW-Stout, Menomonie

22. Evaluation of Vocational-Technical Education in Wisconsin, UW-Stout, Menomonie

23. Professional Growth Week-II, UW-Stout, Menomonie

24. Career Decision Project - Spanish Translation, VTAE-Pewaukee

25. A Day in the Life of the Working Man, VTAE-Pewaukee

26. Cost-Benefit Study of the Food Manufacturing Program, VTAE-Fond du Lac

27. Feasibility of Cooperative Education on Post-Secondary Level, VTAE-Fond du Lac

28. Communications Skills Workshop, UW-Stout, Menomonie

29. Graduate Student Research Grants, UW-Stout, Menomonie

NEW PROJECTS FUNDED:

1. State-Wide Civil Highway Technician Evaluation, VTAE-Green Bay

2. Cost-Benefit Analysis of Welding Program, VTAE-Green Bay

3. Self Concepts and Reality Factors of LPN's, VTAE-Green Bay

4. Staff Development Project, VTAE-Rhinelander

Wisconsin

5. Native American Resources Project, VTAE-Rhinelander

6. Individualized Employability Skills Education Program, CSVTE-UW-Madison

7. Model for Coordinated Comprehensive Placement System, CSVTE-UW-Madison

8. Simulated Office Learning Laboratory, VTAE-Kenosha

9. Cost-Benefit Study of Library Assistant Program, VTAE-Kenosha

10. Competencies for Communication Skills, VTAE-Wisconsin Rapids

11. Third-Party Evaluation of Part D Discretionary Project, UW-Stout, Menomonie

12. Cost-Benefit Study of Practical Nursing, VTAE-Pewaukee

13. Vocationally Coordinated Curriculum for General Education, VTAE-Fond du Lac

14. Simulated Office Learning Laboratory, VTAE-Cleveland

15. Cost-Benefit Study for Associate Degree Nursing, VTAE-Milwaukee

RESEARCH RELATED ACTIVITIES:

1. The RCU funded a project conducted by the Center for Studies in Vocational-Technical Education to "Demonstrate the Use of CRT's in 16 Post-Secondary VTAE Districts and State Board Office in Conducting Computer Searches of the ERIC and CIJE Document Files"

2. Improve individualized instruction management and processes relevant to student characteristic learning styles, alternative learning activities, learning environments, media usage and teaching styles

3. Expand state-wide impact of research program through updating of research priorities and improvement of an RFP system

Wisconsin

4. Graduate Student Research Grants - Phase IV, UW-Stout

5. Evaluation of Farm Training Program and Validation of Competencies, UW-Madison

PROJECTS AND ACTIVITIES PLANNED:

1. Implementation of Environmental Education Guidelines to Integrate Environmental Education Concepts into Post-Secondary Vocational-Technical Education Programs A cadre of trainers will conduct district in-service sessions

2. Expand and field test open entry/open esit delivery system in one VTAE district

3. Re-assess vocational-technical education staff supply and education needs and priorities on both secondary and post-secondary levels

4. Expand and improve articulation of secondary and post-secondary vocational-technical education programs by studying selected curricula and upgrading articulation capabilities of 150 secondary and 150 post-secondary staff through a series of district workshops

5. Develop alternative strategies and preliminary plans for development of a health occupations teacher education program in the state

6. Field test a vocational education teacher/industry staff exchange program

7. In-service Needs of Home Economics Teachers

8. Alternative Strategies for Delivery of Comprehensive Vocational Programs

9. State High School Senior Aspirations and Goals Survey

10. Professional Development for Part-Time Call Staff

WYOMING

Fred Black, State Director of Vocational Education
Fred Black, RCU Director

PROJECTS COMPLETED:

1. Career Exploration Curriculum Model, University of Wyoming
2. Agriculture Resource Media, University of Wyoming
3. Occupational Education Safety Manual, Natrona District #1
4. New Facilities Study - Basin High School, Basin, Wyoming
5. New Facilities Study - Pine Bluffs High School, Pine Bluff, Wyoming
6. Summer Training Model for Counselors, Thermopolis, Syoming

NEW PROJECTS FUNDED: NONE

RESEARCH RELATED ACTIVITIES: NONE

PROJECTS AND ACTIVITIES PLANNED: NONE

AMERICAN SAMOA

Pat Benioni, Director of Vocational Education
Pat Benioni, RCU Director

NO REPORTS RECEIVED

GUAM

Duane I. Pierce, Director of Vocational Education
Duane I. Pierce, RCU Director

NO REPORTS RECEIVED

PUERTO RICO

Jose Lema Moya, State Director of Vocational Education
Vidal Velez, RCU Director

PROJECTS COMPLETED:

1. Six-week inservice training for 141 vocational industrial teachers to update their knowledge and skills and/or to obtain certification

2. In-service training to RCU Personnel in Basic Statistics, Evaluation Techniques and Research Design

3. Collect, tabulate and analyze vocational education staff data to support the existence of needs for preparing and developing vocational education professional personnel

4. Long-range plan for the improvement of regular teacher education programs for the preparation of vocational education personnel

NEW PROJECTS FUNDED:

1. Evaluation Project for the Business Education and Distribution and Marketing Programs, RCU-Contracted with Labbadie & Associates Economic & Management Consultants

2. Development of the Student Textbook in Principles of Selling for the Distribution and Marketing Program at the Secondary Level, Gladys Torregrosa, Director-Distribution and Marketing Program

3. In-service Training Program for 26 Curriculum Technicians and Administrative Personnel in the Preparation of Job-Analysis Sheets, New York State University

4. In-service Training Program for Teachers of the Vocational Industrial Occupation Program for 126 Teachers, Coordinated with University of Puerto Rico and University of Kentucky

5. Inservice Training Program for Up-Grading Teachers of Special Education Program for 31 Teachers, Coordinated with New York University

RESEARCH RELATED ACTIVITIES:

1. The Semiannual Report to the USOE for the period of July to December was prepared

2. Preparation of RCU Final Report to the Assistant Secretary for Vocational and Technical Education

3. Preparation of State Vocational and Technical Education Annual Plan for School Year 1974-75

4. Preparation of State Vocational and Technical Education Annual Report for School Year 1973-74

5. Statistical data gathering and analysis on Vocational and Technical Education Programs for All the VTE Programs

6. A report of the on-going projects for school year 1973-74, the proposals submitted and projects to be developed during school year 1974-75 coordinated by the Research Coordinating Unit were submitted to all program directors

7. Preliminary arrangement for the establishment of a Management Information System at the Research Coordinating Unit were initiated

8. Development of the following proposals:

   a. Proposal for the Development of a Student Textbook in Principles of Selling For the Distribution and Marketing Program at the Secondary Level

   b. Proposal For an In-Service Training to RCU Personnel in Basic Statistics, Evaluation Techniques and Research Design

   c. Proposal For the Creation of Four Curriculum Development and Utilization Components at the Area Vocational Schools in Puerto Rico

d. Proposal For Continuing the Project "Translation and Adaptation of Instructional Materials For Vocational and Technical Education in Puerto Rico"

e. Proposal for the Development of Occupational Coefficients to Analyze Manpower Supply and Demand Problems Relevant to the Puerto Rico Dept. of Education

f. Proposal for the Development of a Curriculum for Small Business Management Training in the Commonwealth of Puerto Rico

g. Proposal for the Development of a Curriculum in Fishing Techniques, Vessel Construction for Deep Sea Fishing and Seamanship in Puerto Rico

h. Proposal for the Development of a Curriculum and the Training of Vocational and Technical Education Curriculum Specialists

i. Proposal for the Development of a Curriculum in Hospitality and Recreation Occupations Cluster for Puerto Rico Public Schools

j. Proposal for the Development of an In-Service Training Program for the Teachers of the Vocational Industrial Education Sub-Program

k. Proposal for the Establishment of a Comprehensive Adult and Vocational Education Department at the College of Education of the University of Puerto Rico

l. Proposal for the Continuation of Vocational Offerings in Academic, Public and Private Schools and Rural Vocational Schools of the Commonwealth of Puerto Rico

m. Development of Vocational and Technical Offerings in Area Skill Centers

n. Proposal for An Internship in Industry for Revising and Validating the Graphic Analysis Chart Developed by the Curriculum Technicians at the Pedagogical Resources Center

o. Proposal for an In-Plant Training Program to Develop the Optimum Degree of Specialization in Area Vocational School Students

9. Development of a Curriculum Development Plan for four years

10. Development and submission to USOE of the Proposed Plan for Vocational and Technical Professional Development in the Commonwealth of Puerto Rico

11. Coordinate the implementation of different planned projects on Research, Curriculum Development and Professional Development

12. Evaluation of two proposals submitted by the Vocational Agriculture Program aimed at Evaluating the Effectiveness of the Vocational Agriculcure Program

13. Contract Consultants and Coordinate the In-Service Training to RCU Personnel in Basic Statistics, Evaluation Techniques and Research Design conducted at the State Department of Education during the month of May

14. Continue the third year of cooperative pre-service training program for the development of 30 vocational industrial teachers, in cooperation with the Interamerican University of Puerto Rico, the San Juan Technological Institute, Industry and Secondary Schools

15. Continue the third year of a special training program for the development of 10 vocational industrial personnel, in cooperation with the Mayaguez Campus of the University of Puerto Rico, area vocational schools and industry

16. Coordinate last three phases of a leadership training program for industrial arts and vocational industrial personnel in leadership positions

17. Coordinate the short-term scholarships for college level studies to meet individual needs and aspirations of vocational education personnel to complete certification requirements

Puerto Rico

PROJECTS AND ACTIVITIES PLANNED:

1. Complete and prepare final report of the Research Projects Business Vocabulary Count in the Spanish Language and the Project Evaluation of the Occupational Home Economics Program in Puerto Rico 1970-71 and 1971-72

2. Continue coordinating the evaluation project of the Business Education and Distribution and Marketing Programs

3. Continue the evaluation project of the Business Education Program of the Mayaguez Educational Region

4. Continue sponsoring the development of a textbook "Principles of Selling" for the Distribution and Marketing Program

5. Continue sponsoring the project "Establishment of a Management Control System for the Vocational and Technical Education Program using the PERT System"

6. Initiate the Management Information System for Vocational and Technical Education coordinating its establishment with the Computer Center of the Department of Education

7. Conduct an evaluation study of the Vocational Agriculture Program

8. Initiate and conduct the Follow-up Study of vocational and technical education graduates, 1973-74

9. Conduct a study to determine the effectiveness of the vocational laboratories established under the clusters of occupations concepts in Vocational Industrial Education (Trades and Industry)

10. Conduct an evaluation study of the Health Related Occupations Program

11. Continue and complete the study of Training Needs for Specialized Vocational Agriculture Personnel in Puerto Rico

12. Up-date the Occupational Demand Analysis for the Vocational Technical Education Program

13. Up-date the Occupational Enrollment Projections in terms of Occupational Demand for the Vocational and Technical Education Programs

14. Continue providing support for the following exemplary projects:

    a. A Model State Pedagogical Resources Center for Producing Curriculum Materials for Vocational Education Programs

    b. Development of an Exemplary Career Education Comprehensive Program in the Regular and Vocational Technical Program

    c. Continue the development, revision and adaptation of curriculum materials in emergent occupations of the different programs

15. Continue improving the quality of vocational education programs by providing up-dated curriculum materials

16. Continue developing curriculum materials for a course to prepare Pharmacist Assistants

17. Create, revise, test or adapt the curricula to the different Island sites in the established curriculum units at the following four area vocational schools: Guayama, Carolina, Mayaguez and Rio Piedras

18. Develop curriculum materials in 40 occupations within the occupational clusters for the Vocational and Technical Education Program

19. Continue the support of a proposal for the development of guides and tests for self-study in Office Education for youth and adults in the following areas: Typing I and II, Business Spanish, Business English, Filing, Office Practice, Fundamentals of Business Education and Advanced Typing

Puerto Rico

20. Develop curriculum materials for Pilot "Model Agricultural Mechanization School," for the Residential Agricultural School and for the Young and Adult Farmer Educational Center

21. Develop curriculum for the training of individuals for employment in agri-business

22. Develop curricula for about 24 to 30 teaching curriculum modules in consumer education

23. Finish and test curricula prepared for the post secondary level in distribution and marketing

24. Continue supporting preservice and inservice training programs for professional development of vocational personnel

25. Develop a state and six regional conferences in the use of curriculum materials available at the State Pedagogical Resources Center - Ends in December, 1974 $22,250

26. Conduct six regional workshops on adaptation and use of curriculum materials for consumer education programs - starts August 1974 and finishes on December 1974, $4,800

TRUST TERRITORIES OF THE PACIFIC ISLANDS

Neal W. Baker, Director of Vocational Education
Neal W. Baker, RCU Director

NO REPORTS RECEIVED

VIRGIN ISLANDS

Wilburn Smith, Jr., Director of Vocational Education
Wilburn Smith, Jr., RCU Director

NO REPORTS RECEIVED